

The Parasitic Emission

Volume 38 • Number 5
May 2012

Supporting Amateur Radio Club Activities

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Hams Helping Hams



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Honor Thy Elmer

EVERY HAM deserves an “Elmer.” And every ham should strive to become an Elmer, offering his or her services to other radio amateurs.

None of us knows “everything” about ham radio... even [ahem] yours truly! (Bet you never thought you'd read that!) We all have things to learn, and we all know things we can share with others. That's why a group of hams can accomplish so much more as a group than as a bunch of “lone wolves.”

Now is a good time to pause and think about those fellow hams who took the time to get you started off on the right foot in Amateur Radio. If they hadn't selflessly given their help, would you be the ham you are today? Perhaps not.

One phenomenon we see all too often is a group of enthusiastic newcomers studying and passing the licensing exams, only to fail to get on the air. Something must be going horribly wrong in these cases, and there are far too many of them. I think I have an idea what it is.

We failed... to Elmer them.

It has been proven time and again, that the first year or so that someone is involved in a new activity sets the course for the rest of their lifetime involvement. If an enthusiastic newbie encounters an enthusiastic Old Timer, chances are that the new guy (or gal) will get a booster shot of whatever it was that convinced them to get licensed in the first place.

The result is one more active ham.

On the other hand, if the new hams are left hanging out to dry, guess what will happen. I'll give you a hint: They will find other activities that are more rewarding.

Amateur radio is complex. It's a very large hobby. There are many fascinating activities for new and old hams alike—but the problem is that somebody has to make those activities happen. The activities need sponsorship.

This is where our clubs come in. The main purpose for a healthy, active club is... ACTIVITIES! (I hope this hasn't been too startling a revelation!) Clubs that are “always doing things” will attract more members than clubs that “never do anything.”

The recipe for success requires one more ingredient beyond activities... It needs **YOU!**

If you are a new ham, success needs you to show up at club activities. *Doing* is the best form of *learning*, and the more activities you take part in, the sooner you'll become a real, active ham! A bonus is that other hams will get to know and respect you, and before long you will become an important member of the amateur radio community!

OLD-TIMERS ARE NOT off the hook! You hams with years of experience make the best teachers, and you are needed to take the newcomers under your wing and show them the ropes! It is you who needs to be the person who personally invites and encourages those newcomers (and OTs as well) whose interests are on the same wavelength as yours to turn out at local activities. It's called, “Elmering,” and you can do it!

Take a moment to reflect on how you were helped by other hams through the years. Make a list of their callsigns if it helps you remember who they were and what they did. If

they are still with us, make it a point to personally thank them this month. This month, perhaps at a club meeting or on the air, make it a point to publicly acknowledge their service to you and to Amateur Radio.

Let's make Memorial Day weekend a time to remember our Elmers, too!

Help Wanted

IT'S LONELY at the top, especially at the top of something as insignificant as this publication. This issue is late (again) due to personal obligations (again). It's not surprising, really. Each month, our contributors provide enough material to produce a publication that is roughly 10% the size of *QST*. This is all assembled into the final publication by me, and I am only one person. *QST* is 10 times larger, but has a staff of over 30 people. Doing the math, I come up with doing the work of 3 people each month to publish an issue. No wonder it's late!

The Parasitic Emission serves eight clubs and is distributed to over 500 subscribers in 11 states. It's also downloaded over 1500 times a month from all over the world.

With that kind of readership, there are likely a couple volunteers among our readers who have the professional-level experience and skills to help edit and assemble sections from submitted material into our format, and edit photos to meet our standards.

If you think I'm talking to you, please let me know if you can work within our existing document structure using OpenOffice and Photoshop.

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



Take a moment to reflect on how you were helped by other hams...

Ham Bits

by Jeffrey Rowles KA3FHV

ONE INTERESTING aspect of Amateur Radio that I have found enjoyable is checking into HF nets and roundtables.

Over the years, I have checked into the East Coast Amateur Radio Service (ECARS), The Maine Potato Net and The Vermont Net among others. It's always cool to find out what other hams are doing in the evenings on HF.



Welcome Aboard

by Joe Shupienis W3BC

Roll out the welcome wagon, we're growing again! This month we welcome two more clubs to our publication family: The UPJ Amateur Radio Club of Johnstown, and the Horseshoe Amateur Radio Club of Altoona.

We look forward to receiving news and information from each group, and we extend a warm welcome to the members of those clubs.

The more that our independent Amateur Radio Clubs work together, the better the levels of service we can all bring to our communities and the radio amateurs in those communities.

Editorial Policy

by Joe Shupienis W3BC, Publisher

IT IS TIME, once again, to state the editorial and legal policies of this publication.

Non-Discrimination

The Parasitic Emission does not discriminate on the basis of race, religion, age, gender, disability, political affiliation, membership or non-membership in any amateur radio organization.

Subscription

The Parasitic Emission is published monthly and distributed by email to members of participating clubs and all others interested. Anyone may subscribe by sending an email to subscribe@parasiticemission.com indicating their wishes.

Publication Requirements

Original articles, photos and news items of interest to licensed radio amateurs in Central Pennsylvania are accepted for publication subject to the following limitations:

- Copyrighted material or content previously published elsewhere
- Obscene, indecent or libelous content
- Photos of individuals without releases
- Material unrelated to amateur radio
- Political campaigning or solicitation, including ARRL or club offices
- Promoting illegal activity, including hate crimes or sedition

Submissions

The deadline for each month's issue is the **fourth** Monday of the preceding month. Email content to submit@parasiticemission.com

Legal Notices

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Joe Shupienis, W3BC

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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.

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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.

It's always cool to find out what other hams are doing!

The Parasitic Emission

May
2012

The Quad-County Amateur Radio Club

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



Net Manager: W3DWR reported things are "going fine". He related that someone will need to pick up the Wednesday Ham

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	Kevin Hoynoski W3PIG Don Jewell KB3LES Lars Kvant KB3WBT (SM7FYW) Ed Neeper KB3VWX Bryan Simanic WA3UFN
Staff	Activities: Lars Kvant KB3WBT/SM7FYW Education: Joe Shupienis W3BC Membership: Jack Lovesky AA3AZ Net Manager: Doug Rowles W3DWR Liaison, ARC: Greg Donahue KB3WKD Liaison, BSA: Kevin Hoynoski W3PIG 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 FM Sunday ~1920 446.625 Quad-County UHF
Web	www.qcarc.org, info@qcarc.org @qcarc

Minutes: April 2012

by Kevin Snyder KA3YCB, Acting Secretary

THE APRIL 20 meeting of the QCARC was called to order by W3BC, President at 1932 EDT. The Pledge of Allegiance was given and a moment of silence was observed for silent keys.

Attendance

W3BC, KA3DEL, KB3WBT, KB3VWX, KA3YCB, W3BEV, KB3WKD, KA3FHV, W3DWR, AB3OG, KB3LES, KB3FJA. Guest: Bob Newell.

Staff Reports

KA3FHV moved and KB3LES seconded to approve minutes of last month's meeting as published in the *Parasitic Emission*. **Passed.**

Correspondence: Western PA repeater Council sent a survey, which has been referred to the repeater trustee. Also an Employer Identification Number (EIN) was received from the IRS for the QCARC.

W3DWR gave the Treasurer's report. He also reported that He obtained an ATM card for the QCARC accounts.

Income: \$266.00 dues Expenses: \$12.54 for card & stamps, \$7.00 to the PA Heartland ARC for copies, \$24.00 dues to ARRL (pass through from club members), \$36.34 to United Electric

Balance: \$938.66 in account, \$30.00 petty cash, and total \$968.66. **Accepted.**

W3DWR also gave the membership report, as of 4/16/2012 46 members, 25 of which belong to ARRL.

Activities: KB3WBT reported about the Ham camp out at Curwensville Lake. 1-2 week's notice is needed, and a minimum of 4 spots need to be occupied.

Meeting Notice

May 2012

THE MAY meeting will be held in the Hiller Building on the Penn State DuBois Campus at 7:30 pm, Friday, May 18th.

Following the business meeting, we will begin making plans for this year's Field Day activities. This year we will be combining resources with members of The



Punxsutawney Area Amateur Radio Club. This will enable a larger Field Day operation for both clubs, and the opportunity for members of both clubs to work together as they might in emergency communications activities.



Pre-Meeting Foxhunt

Before the May 18th meeting, we will set up another hidden transmitter hunt for everyone interested in trying their skills.

Beginning at 6:30 pm on the Penn State DuBois Campus (weather permitting) the transmitter will operate in the International Foxhunting Frequency of 146.565 MHz with 500 mW.

We will have receivers and antennas available, or you can bring your own!

Shack net in May. KB3WBT stated he will handle it.

W3DWR also reported he received a request from the Clearfield RACES/ARES net that we delay the start of the QCARC 70 CM net until 1945 hrs. After some discussion, no motion was made to change the start time. It will remain as is.

Programs: In W3TM's absence, W3BC reported the program for the May 18 meeting MAY be a meteorologist from a regional TV station. This is still awaiting confirmation.

PIO: W3BC reported no new activities.

Public Service: KA3YCB had nothing new to report. He reminded all of the Baker Trail Ultra Marathon On August 25, 2012.

Repeater: In WA3UFN's absence, W3BC reported facilities at the Schofield Road site are in need of carpentry & painting, KB3LES volunteered and will lead the detail.

The backup repeater is on the air for testing APRS digipeater is up and working.

Items belonging to the QCARC at both repeater sites have been inventoried and tagged as such. Plans are in the works for Internet & weather information access, and also voicemail on the backup repeater.

Appointments: KB3WKD volunteered to be liaison to The Red Cross. W3PIG and AB30G were appointed as Liaison and assistant to the BSA council.

Community outreach: Red Cross carnival May 30-June 2 at the Du Bois City Park. We have been asked to set up a demonstration station. KB3LES /KB3WKD will lead.

Penn State engineering project is on shelf until fall

Bucktail Council BSA requests radio set up at Summer Encampment, dates TBA

Merit badge Counselors needed for Radio badges for BSA, and JOTA is coming in October.

Old Business

Spring Banquet May 5, 2012 1800 Du Bois Diner upstairs room

Car show at Super 322 Drive in August 11, a volunteer is needed to head up this event.

Baker Trail Ultra August 25 2012, request for preliminary information from race director sent, no reply as yet. Information may not have been determined.

New Business

Field Day will be at Clearfield County Fair Grounds, with REST ROOMS this year. The club will send an invitation to the PAARC to combine efforts with QCARC in Clearfield, and perhaps rotate locations on an annual basis.

KB3WBT reported further about the **campout**. Hams may visit but don't have to camp overnight. Plans are for first or second week of July. Deadline for reservations is April 30. This is a good location for VHF coverage.

AB30G reported Ham Radio night at **Hummingbird Speedway**. Come and set up radios, operate all day, stay for race. Date TBA.

Fall Picnic At Ed Golla's-Date TBA

Christmas Dinner was set for December 21, Location decision tabled until next month.

General Items

W3BC reported he has BAOFENG UV3 and UV5 hand held radios, and is continuing to take orders. He also has antenna adapters in stock. He also has coffee mugs and ballpoint pens with the QCARC logo available for \$7.00 & \$3.00 respectively.

A motion to **adjourn** made by KA3FHV and

second by KB3LES at 2025 EDT.

Program was presented by Bob Newell of PA Heartlands Red Cross.

Minutes respectfully submitted by KA3YCB, in the absence of W3TM, Club Secretary.



The Punxsutawney Area Amateur Radio Club

Serving Punxsutawney and Jefferson County

Field Day Plans

AT THE MAY meeting, members voted to accept the invitation to participate in a joint Field Day with the Quad-County ARC. The location is the Sportsmen's Pavilion at the Clearfield County Fairgrounds. The date this year is Saturday, June 23 and Sunday June 24.

There will be a GOTA station again this year, and the callsign will be **K3HWJ**. All club members and guests are welcome to get on the air. With both clubs participating it promises to be bigger and better than anything either club can do alone!

Plans at this time are to meet at the site on Saturday morning and begin setting up, with food and refreshments available through the duration. The Quad-County club will be holding a planning session at their May 18th meeting in DuBois.



PAARC Information

President	Steve Waltman KB3FPN (Acting)
Vice President	Don Jewell KB3LES
Secretary	Peach Caltagerone AB30G
Treasurer	Tom Sprague KB3TOY
Nets	Monday @ 1930 147.390
Web	http://www.punxclub.com

Monthly Breakfast

EVERY MONTH, the Punxsutawney Area Amateur Radio Club gets together with our friends for a friendly club breakfast at the "Amish Restaurant" along route 310 between Punxsutawney and Reynoldsville. The food is great, the price is very reasonable and the service is outstanding.

If you've never been there, why not stop in? The address is:

Betsy & Clara's Amish Bakery
2147 Route 310
Reynoldsville, PA 15851

This month's breakfast will be at 10:00 am, Saturday May 26th. See you there!



May 2012

Meeting Notice

June Meeting

THE JUNE meeting of the Punxsutawney Area Amateur Radio club will be held Tuesday, June 12

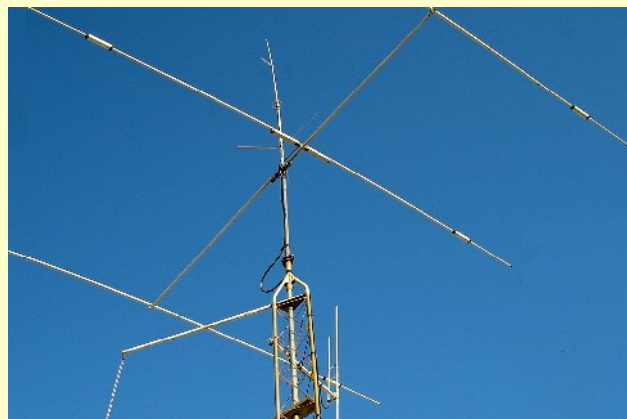
at 7:00 pm at the Punxsutawney Presbyterian Church, Findlay Street in downtown Punxsutawney. Refreshments will be served after the meeting.



Radio Night

NOW THAT warmer weather is back, the monthly "Radio Night" activity will resume at our Club Station at the Punxsutawney Airport.

This informal gathering is held at 7:00 pm on the first Tuesday of every month, April through October in the "hangar with the big antenna" at the Punxsutawney Municipal Airport. Refreshments are served and everybody has fun. Come and see us, Tuesday June 5!



Mountain Cat Amateur Radio Club

Serving the UPJ Community

use of an automatic transmitter, usually specifically built for a fox hunt.

If you choose an active Fox, the Fox should consist of two people they will keep each other company. They should bring food and drink and other necessities for comfort.



As for the hunters, again I suggest you work in teams. One guy mans the foxhunting equipment and the second person transmits on a second radio and does the plotting. It is a good idea to switch roles every so often to keep up interest.

Remember to attenuate your receive signal as you get close. Use both electronic and visual clues. Look left to right and don't forget to look up and down.

When you're putting together your foxhunting equipment consider mounting pieces together so you don't fumble around with them in the field.

Let everyone have a chance to find the Fox. When you find the Fox just announced the word "bingo" then keep quiet until the debriefing.

between signal received on main antenna lobe versus opposite side lobe (higher, 'greater directivity', is better when being used for locating a beacon)

Standing wave ratio: Ratio of standing waves in antenna, caused primarily by impedance mismatch at desired resonant frequency (434 MHz here, ratio closer to 1:1 is better)

Foxhunt Suggestions

Al Shuman K1AKS

There are two rules for every fox hunt:

1. There are no rules.
2. Follow rule number one.

Then there are suggestions on how to run a fox hunt...

1. Up front, everyone agrees to—and fully understands—the plan.
2. Everyone agrees how complex the hunt will be.
3. Establish a start and end time. No one leaves; they need to tell somebody for safety reasons!
4. Limit your hunt area. Too large an area, people will be doing more driving than finding.
5. Have the necessary permissions, if you are going to be on private property.

Other suggestions:

1. Work in teams. Pair up an experienced member with the novice.
2. Meet at a central location before you start the hunt,
3. Meet back at the same location at the conclusion of the hunt.
4. Awards small prizes.
5. Go out on the web read up on fox hunts and suggestions on how to run your hunt.

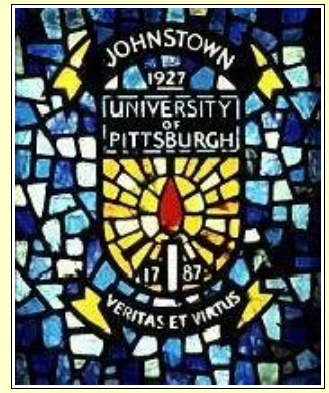
There are two types of foxes. I will call them active and passive. Active includes live people that will act the part of the fox. Passive is the

Upcoming Activities

by Prof. Bill Wieserman K3ZYK

Design and Fox Hunt... Let's Do It !!

THE STUDENT BRANCH of the IEEE and the University of Pittsburgh



at Johnstown annually host the Antenna Design Contests and Fox Hunts.

The design contest requirements:

- Teams up to 2 people allowed.
- Must be homemade.
- Standard termination (BNC/TNC, F-type, SMA, etc).
- Tuned to 434 MHz.
- Reasonable cost (generally under \$30 for materials).

To obtain accurate and repeatable measurements of the antenna characteristics, a test setup was constructed by Dr. Wieserman. The setup minimizes interference caused by ground reflections, and provides a suitable far-field test range.

Measured Characteristics

Input return loss (dB): Amount of power reflected back to measuring device (lower, 'more negative', is better)

Received signal power (dBm): Strength of signal at receiver (higher, 'less negative', is better)

Backwards received signal power (dBm): Strength of signal with receiver rotated 180 degrees, testing directivity (lower, 'more negative', is better)

Backwards signal rejection (dBm): Difference

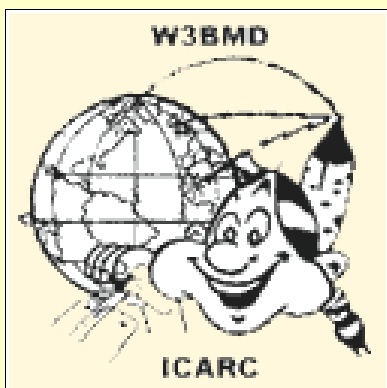
Meeting Notice

June 2012

June Meeting

THE JUNE meeting of the Indiana County Amateur Radio club will be held Tuesday, June 5 at 7:00

pm at the Eat 'N Park restaurant on Indian Springs Road and PA 286 in Indiana. Meal service is available and dinner will be served before the meeting, starting at 6 pm.



Saturday Breakfast

WE MEET for a friendly club breakfast at the Indiana Eat 'N Park Restaurant every Saturday morning at 9 am. Stop by to say hello and stay for some good eats!

Hot Dog Night

WEATHER permitting, we get together every Wednesday evening at the W3BMD repeater site for a hot dog roast and to hang out with other hams.

Please drop by sometime!



The Indiana County Amateur Radio Club

Serving Indiana County

Skywarn Training

THE NATIONAL Weather Service will conduct a Skywarn Class on Wednesday, June 6 at the Indiana County EOC, 85 Haven Drive, Indiana, PA at 6:30 pm.



If you are a Skywarn Observer, or would like to become one, this class is for you. Skywarn observers report severe weather to their local NWS centers. These

reports improve the accuracy and quality of NW alerts and forecasts, and can be instrumental in saving lives and property.

Indiana County ARC Information

President	Robert Zugates KB3JOF
Vice President	Larry Freeman N3LT
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/

Club connections

The Parasitic Emission

May 2012

Horseshoe Amateur Radio Club

Serving Blair County

exempt organization.

The club currently holds call K3HRC in recognition of our original club name, and is used at club events and functions specific to our club.

Horseshoe maintains 2 VHF repeater systems and 1 UHF repeater located on Wopsononock Mountain just north of Altoona, PA.

The club meets the second Thursday of each month, at 7:00 PM at the Red Cross Chapter House at 4100 5th Avenue, Altoona. The club has a monthly breakfast meeting at King's Family Restaurant, 3000 6th Avenue, Altoona on the first Saturday, at 9:00 AM.

The club offers VE amateur radio exam testing quarterly in March, June, September, and December. See www.altoonahamexams.org for more information.

Horseshoe Amateur Radio Club Information			
President	Brian Fornwalt N3ZQY		
Vice President	Chris Venesky KA3JIB		
Secretary	Tom Cooney, Jr. W3SF		
Treasurer	Emma Venesky N3VRN		
Repeaters	W3QZF	146.610-	[123.0] Altoona
	W3QW	146.820-	[123.0] Wopson'ck
	W3VO	444.600+	[123.0] Wopson'ck
	W3VO-1	144.390	[APRS] Wopson'ck
Nets	Sun 1900	146.610-	123.0 HARC Net
	Sun 2030	146.700-	123.0 Hntgdn Co
	Sun 2100	146.850-	146.2 Centre Co
	M-F 0800	146.610-	123.0 "OTH" Net
	Wed 2000	147.540	Blair Co Simplex
	1Th 2000	147.150+	167.9 D2S ARES
Web	www.harc1.org w3qzf@arrl.net		

The Horseshoe Amateur Radio Club — A History

THE HORSESHOE Radio Club was founded in 1936 by Blair County radio amateurs, in response to the Johnstown flood occurring on March 17th of that year. On 11/2/1937 the Horseshoe Radio Club became affiliated with the ARRL..

George Hayes W8IBR was our first club president, holding office from inception of the club until amateur radio was silenced by the attack on Pearl Harbor on December 07, 1941. Fred Ambrose, W8QZF, was our first club member to become a silent key. He received his ticket and joined the club in 1938, and passed later that same year.

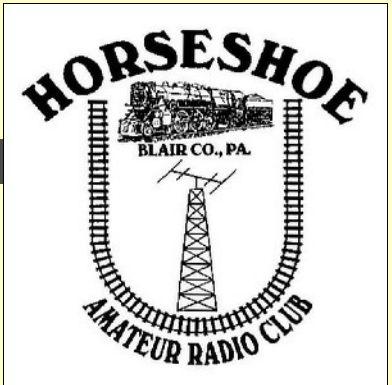
In late 1939 the club memorialized Fred by adopting his call for the club. After the war, In April 1946, Pennsylvania was re-assigned to the 3rd call district, and the club call changed to its current W3QZF, which today identifies one of our club repeaters.

The club initially met in a rented barn near Oak Avenue and Kittanning Point Road in Logan Township. Later the club met in downtown Altoona at 1211 11th street, at the Fire Station on Burgoon Road and 6th Avenue, and currently meets at the Red Cross chapter house on 5th Avenue and 41st street.

In the early 1980s the club name was modified to become the Horseshoe Amateur Radio Club, to distinguish ourselves from the popular and growing CB radio craze. In 1996, the club incorporated and became the Horseshoe Amateur Radio Club, Incorporated. In 1998 the club obtained an IRS determination as a section 501(c)(3) tax

Meeting Notice

THE JUNE meeting of the Horseshoe Amateur Radio Club will be held on Thursday, June 14 at 7 pm at the American Red Cross Chapter House located at 4100 Fifth Avenue, Altoona, PA 16602.



Breakfast Social

First Saturday of every month at 9 AM at Kings Restaurant in the Meeting Room, 6th Avenue and 31st Street Altoona, PA 16601. The June Breakfast will be Saturday, June 2.

Welcome Friends!

by Joe Shupienis W3BC, Publisher

ON BEHALF OF all our readers, I would like to extend a hearty welcome to our new friends in the Horseshoe Amateur Radio Club. Located in Altoona, this club has been active for many years and serves Blair County and the City of Altoona.

We all look forward to hearing about your activities and hope to see you on the air and in person as we make our ham radio rounds! We especially hope to see your activities in photos and articles in this publication!

Here's to a long and happy partnership among all our clubs!

Meeting Notice

May 2012

May Meeting

THE MAY meeting of the Headwaters Amateur Radio club will be held Thursday, May 3 at 7:00 pm

in the Conference Room at the Charles Cole Memorial Hospital. Park near the helipad and use entrance "A."



Following the meeting we meet for an evening snack at McDonald's Restaurant in downtown Coudersport.

June Meeting

The June meeting of the Headwaters Amateur Radio Club will be held Thursday, May 7 at 7 pm in the Charles Cole Memorial Hospital Conference Room.

April Minutes

April 5 2012

Jason called the meeting to order at 7:02 PM March minutes were read. Jason motioned to accept Jim L seconded.

Treasure Report by Wayne, Jim H motioned to accept Jim L seconded

New Business

Don Suggested we try and raise money for the club. A discussion was held.

Tom talked about the EOC and equipment. The equipment has been grounded and checked out were now waiting for the County to approve antenna's and lightning arresters. Because it's a 911 center we must have

approval for lightning protection and antenna's.

Linda talked about the weather exercise. The club setup Jim L's RV and operated from it. All went well. Linda talked about future improvements and suggestions. The club was not allowed to operate from *[missing text]*

We have been approached about participating in the EOC because of lightning protection and antenna's.

Lucinda from the County was at the meeting preparing ACS ID Badges.

Lucinda also talked about the weather exercise from the County aspect and the importance of the 911 center. Club members talked to Lucinda about the club and working together with the County.

Lucinda suggested club members take ICS courses 100, 200, 700 800. and possible talking about small section at meetings for practice.

Old Business

Wayne got permission to have Field Day at the Black Forest Conservation Club grounds.

Jason suggested we have 3 stations setup.

Wayne is going to check on poles, coax, G5RV.

Jim C has a Carolina Windam. He also suggested we get the filters and antennas that are being stored in the EOC room.

Jim C suggested we have an open invitation to see our setup. More on Field Day at the May meeting for preparations.

The Headwaters Amateur Radio Club

Serving Coudersport and Potter County

Wayne motioned to adjourn at 8:40PM Don Seconded. Attending were. Jason, Milton, Wayne, Tom, Diana, Linda, Don, Jim H, Jim L, Mike. Guest Lucinda.

God's Country Marathon

by Jim Centanni

THE GOD'S COUNTRY MARATHON is on June 2nd. We will need a minimum of 4 people to man several major intersections, using radio communications to alert the finish line to the progress of the runners. We have participated in this event in the past, and it is good PR for the club to continue our participation.

Anyone that is available to participate please contact Jim Centanni ASAP. Participants should have an HT, as well as extra batteries. Participation will start roughly around 10:00am.

Headwaters ARC Information			
President	Jim Douglas K3FHC		
Vice President	Jason Layton K2BYL		
Secretary	Tom Guilfooy WA3HLC		
Treasurer	Wayne Stahler, II, WS3PC		
Repeaters	N3PC 146.685-	[173.8]	Coudersport
	N3PC 443.300+	[131.8]	Galeton
	K3CC 146.880-	-OPEN-	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

believe that it will take about two hours. The goal is to remove the old antennas from the top of the pole, relocate the repeater antenna to the top and reorient the dipoles around the support for omnidirectional radiation pattern. The coax has to be removed from the building and laid out on the ground so it doesn't kink before raising it. For that reason we will switch the repeater over to the backup Station Master antenna while work is in progress. There may be a slight change in signal strength while this is going on.

The work will happen after Tuesday when I get back from a trip. John, K3TMD has already volunteered to assist so we'll need at least one other person on the ropes. Please let me know if you can help. The exact date/time depends on when Fred can fit us in.

Elk County ARA Information		
President	Scott Logue N3LVG	
Vice President	Jerry Robinson N3RYG	
Secretary	Mary Lewis N3UDN	
Treasurer	Pete Carr WW30	
Officers	Public info: Shari Lewis KB3EWT Newsletter: Jerry Robinson N3RYG Public Service: John Frantz K3TMD	
Repeaters	N3NIA 147.000+ [173.8] N3NWL 147.285+ N3RZL 442.200+ N3RZL 442.350+ WA8RZR 443.675+ N3FYD 146.805- WA3WPS 147.180+	Bootjack Ridgway Ridgway Boone Mtn St Marys Emporium Emporium
Nets	Sunday @ 2000 147.000+ [173.8]	
Web	www.n3nia.com	

Repeater News

by Pete Carr WW30

WE HAVE A new radio to use. Rick N3RJH has installed a link to the N3NIA repeater. It uses the UHF band and connects to the 147.00 MHz repeater. The frequencies on **your** radio are:

- 443.975 (receive)
- 448.975 (transmit)

When you press the transmit switch on your radio it sends a signal to the unit in the small building at the radio site on 448.975 MHz. That is translated to 147.600 MHz and comes out the N3NIA repeater in the big building next door. Similarly, If someone is sending on the N3NIA repeater you would hear them on 443.975 MHz on your radio.

That means that you could carry on a QSO with someone on the N3NIA repeater by talking on 448.975 and listening on 443.975.

The UHF side of the link is a 40 watt UHF transmitter using the 8-bay of UHF antennas at 45 feet on a pole. It would be interesting to try the link, both from base radios and mobiles/portables to see how the coverage of the link compares to regular repeater coverage. The voice identifier of the N3NIA repeater will be heard on the UHF link so no special identification requirements are needed.

Rick put a lot of work into the link and would like to hear reports of how you think it works.

Antenna Improvement

I met with Fred Lenze at the radio site yesterday afternoon. He has a crane that can handle the work. It will require that we have two guys on the ground to man the ropes and another in the bucket doing the high work. Fred estimated the cost at \$60 per hour and I

Meeting Notice

by Jerry Robinson N3RYG

THE NEXT ECARA club meeting is Sunday, May 20, 2012 at the Elk County Courthouse Annex Building, 300 Center St. Ridgway, PA at 1:30 pm. I hope to see all of you there!

VE Test Results

by John Frantz K3TMD

THERE WAS A VE session on March 17, 2012, hosted by Skip K3CC (Gilbert Kaufman) of Coudersport held in a conference room at the Charles Cole Memorial Hospital in Coudersport. A gentleman from Shinglehouse successfully passed for his Tech license. VE services were provided by the Elk County VE Team.

Ridgway

On Saturday morning, March 24, 2012, The Elk County VE team held a VE session in Ridgway. There were two test takers with no successes.

Warren

On Saturday afternoon, March 24, 2012, Matt Gregerson, NS3M, hosted a Ham-in-a-day program at the Salvation Army Building at Warren, PA.

Seven test takers, 3 people passed for their Tech license, one of which was an 8 year old boy from Jamestown, NY.

The Elk County VE Team has been active.

Cambria Radio Club

Serving Cambria County

campus radio room / club shack of the IEEE UPJ Mountain Cat Amateur Radio Club – W3SNN (Repeater 147.375+ PL 123) with the intention of real time interaction with students and current hams in a fun hands on learning environment.

Net Report

WB3JSW announced there will be a new digital net schedule published on the CRC website in support of everyone's busy summer schedules. Dave also noted that several people are now ready to pass digital traffic as a result of the recent CRC Digital Training Net.

Field Day Plans

W3SF announced the HARC's decision to join in on the Cambria Radio Club joint club field day event K3F being held June 23rd and 24th at The New Germany Grove.

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		

Merit Badge Results

KB3REA announced the success of the Merit Badge project K3B and mentioned plans to host it again in a year or so. Herb also informed us that he sent a thank you letter to each sponsor who with combined donations of food, product, and facility saved the 171 attending scouts from over 30 troops and 78 scout leaders about \$4,800.00. As mentioned the Cambria Radio Club hosted event lead by KB3REA was totally cost free to the scouts and all guests attending. See CRC Facebook page for many photographs and additional comments. Tag your friends and leave comments. K3WS Complemented WB3JSW on the quality of the K3B special event QSL card and certificate.

UPJ VE Session

This year's UPJ VE Test session was conducted by the Cambria Radio Club and led by Scott Zimmerman N3XCC VE Team Leader. The VE team consisted of Barb Bender KA3VXR, Dan Ruhe KE3UC, John Geiser AB3OV, Kevin Custer WJ8G, with Bill Weiserman K3ZYK, and Tom Brew K3WS as session monitors.

N3XCC and WJ8G reported that the VE team scored 45 tests for 24 persons with 14 persons earning Technician, 3 persons earning General (1 upgrade, 2 new), 3 persons earning Extra (1 upgrade, 2 new). On a side note and a testament to Professor Wieserman, all of the UPJ Electrical Engineering Class students earned at least their Technician license. Names and Call Signs issued will be posted on the CambriaRadio.com VE page.

With the success of this test session the Cambria Radio Club was invited back next year. We are also in discussions of holding a regular CRC meeting mid-semester at the

Meeting Notice

THE MAY meeting of the Cambria Radio Club will be held on Friday, May 18 at 6pm at the Cambria Radio Club May meeting will be held on the 18th at 6pm at Mount Calvary Lutheran Church 1000 Scalp Ave. Johnstown, PA 15904. Parking is in the Church Lot in the REAR of the building.



Technology theme: We will host a swap and sale/ miniature ham fest led by Mike N3SSD complete details at CambriaRadio.com
Talk in will be on 146.940 WA3WGN, and 147.550 Simplex.

Meeting Report

by Tom Brew K3WS

THE APRIL 20, 2012 Cambria Radio Club meeting was called to order by K3WS at 6pm (AT UPJ Johnstown, PA) following the Cambria Radio Club / Laurel VEC - FREE VE test session for the UPJ Electrical Engineering students that started at 3:30pm. The CRC meeting ended at 8:00PM and a few folks headed to Ponderosa for a meal after the meeting.

19 People were in attendance including KE3UC, N3SSD, N3LAD, KA3VXR, W3SF, N3ZQY, KB3WUD, WB3JSW, K3EMM, AB3OV, K3ZYK, KB3TUO, KB3REA, WJ8G, N3XCC, KA3JIB, N3VRN, K3WS, and JACK BREW.

Tom also announced that the HARC plans to replace their .820 machine and more news will be announced as the improvements are made. They have plans to make the new machine AllStar Link Able.

Skywarn

SKYWARN Training April 23rd at 7pm was canceled due to snow and will be rescheduled. Visit cambriaradio.com / skywarn for complete details about a future date and time will be posted.

NEXT BIG EVENT

The Horseshoe Amateur Radio Club is participating in the 2012 joint club field day with Cambria Radio Club at New Germany Grove June 23rd and 24th!!! Special Event Call Sign K3F has been issued for use during the event. We have also set up FieldDay@CambriaRadio.com for anyone who wants to be part of the planning and operations of the shared field day event. Watch QRZ.com K3F and CambriaRadio.com for details. OTHER CLUBS ARE INVITED TO PARTICIPATE.

Special reminder from W3BC... Did you get this year's Field Day packet from the ARRL yet? If not, here's a link:

<http://www.arrl.org/files/file/Field-Day/2012/2012-FD-Packet-V2.pdf>

Here are some things that make it a "real" Field Day:

- GOTA station
- Public Information Officer with Information Booth.
- Lots of handouts
- Invite the press. Early and often.
- PIO should be ready to speak intelligently on-camera
- GOTA Station operator at all times

- Fewer transmitter manned at all times is better than many that are largely unmanned
- Networked computer logging. N3FJP software is very cheap, and "just works"
- Computer software training and dry runs with all operators BEFORE Field Day.
- Be sure to put members of the press on the GOTA station!
- List your location NOW on the ARRL website: <http://www.arrl.org/field-day-locator>

Emma Venesky N3VRN and Chris Venesky KA3JIB (two HARC club officers) have offered to represent HARC on the CRC joint club field day committee. They will bring the tower and beam antenna as used at the Merit Badge K3B event. What a setup!!! Much more to be done but this multiple club event is intended to promote fellowship and community spirit in amateur radio. For any clubs not attending our site please make arrangements to have an open frequency between our sites as a unified network.

K3WS noted that the latest issue of The Parasitic Emission is available for down load from the CRC web site. Packed full of local club news and information and a nice write up on the Merit Badge event. The front cover is great in my opinion. All clubs welcomed to join and submit articles.

Repeater Site Brought Back to Life

K3WS Announced that The Cambria Radio Club North Tower now has wireless Internet service providing connectivity for the 443.525

and 146.775 repeaters. A big thank you to Jim N5NWC for the tower climb required to mount the wireless radio. Thank you to Nick Weakland <http://www.itxbb.net> In The Stix Broadband for the donation of Internet service.

Repeater Upgrade: 146.94 WA3WGN

Scott N3XCC, Kevin WJ8G, and Elaine K3EMM completed the 146.940 WA3WGN repeater change out and Internet installation a top Laurel Mountain on April 22. The .940 is now AllStar Node 27245.

Kevin's WJ8G, technical story:

Despite our crystal vendor's inability to produce a crystal with proper specifications, we were able to make a late model GE Mastr II operate. Scott N3XCC and I successfully transplanted a Motorola Micor channel element into the Mastr II PLL exciter with excellent results. There is nothing left in service from the old 146.94 – everything has been replaced with the exception of the antenna and feed line. Users will notice a reduction in the receiver's sensitivity due to site interference; cause is yet to be determined and corrected. Even with this intermittent loss of receive coverage; the repeater is performing very well. More work is required to make this machine the giant it was in years gone by. Sunday evening's testing shows mobile coverage can extend over 100 miles.

UPJ VE Session Report

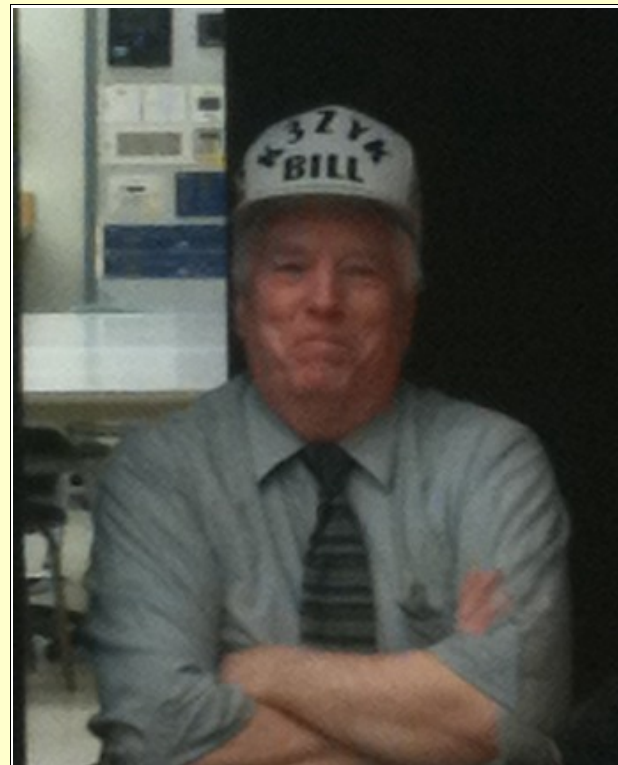
By Tom Brew K3WS

Congratulations to the following people who passed VE exams on April 20. Hope to see you all on the air!

- AB3PX Sleppy, Jacob I
- AB3PY Kakias, Christopher M
- KB3TU0 Lewis, Daniel M
- KB3YLL Reasinger, Alexander M
- KB3YOA Milke, Zachary L
- KB3YOB O'Leary, Aaron J
- KB3YOC Howell Jr, Michael D
- KB3YOD Douylliez, Derek K
- KB3YOE Erdley II, Martin R
- KB3YOF Gallina, Giuseppe G
- KB3YOG Widner, Erik S
- KB3YOH Malinak, Stephen J
- KB3YOI Grimes II, Russell L
- KB3YOJ Dugan, Ronald C
- KB3YOK Stantz, Shane A
- KB3YOL McIntyre, Donald M
- KB3YOM Beck, Chad M
- KB3YON Sulosky, Steven P
- KB3Y00 Buchko, Anthony J

KB3YOP

Okoye, Christopher O



14 Club Connections

The Parasitic Emission

May 2012

Party Time!

by Don Jewell KB3LES

IT'S THAT TIME of year again. Time to party ham style, and that means only one thing—**ANTENNA PARTY!**

As soon as the weather broke, the crew showed up at the KB3LES QTH to give some TLC to the antenna farm. Results are very good!

Who knows where these daring young men will show up next!



*It's time to party ham style, and that means **ANTENNA PARTY!***

The Parasitic Emission

May 2012

May 2012 Calendar

Amateur Radio Club Activities, Events and Gatherings

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

June 2012 Calendar

Amateur Radio Club Activities, Events and Gatherings

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