

Bob, WA3ZRM - Editor

BVARA to Attend Tri-State Radio Fest this Sunday



PITTSBURGH ANTIQUE RADIO SOCIETY

ANTIQUE WIRELESS ASSOCIATION, INC.

The Beaver Valley Amateur Radio Association will be setting-up a table at the annual Tri-State Radio Fest this Sunday, April 20 at the Center Stage in Monaca. As approved at the April business meeting, the club will be offering half price memberships for 2008 and FREE memberships to those 18 years of age or younger.

The club will have several historical documents on display at the Radio Fest including photo albums and ARRL Affiliation plaques.

Location: Center Stage Banquet Hall, PA-60 Exit 12 North - 1495 Old Brodhead Rd. near the border of Pennsylvania & Ohio. Flea Market Dealer setup 6:30AM to 8:30AM Flea Market sales: 8:30 AM to 12:00 PM.

Auction: check in your items 9:00AM to 12:00 noon. Door Prize Drawings 11:30 AM. Auction -Starts at 12:00 Noon.

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Field Day 2008 is going to be BIG this Year!!!

With the help of George, N3HOJ, Jack, KZ3Z, Pam, W3PMS, Evan, KB3QFR and Baden Boy Scout Troop 405, Field Day 2008 promises to be one of the BVARA's largest events ever!

For beginners, Troop 405 will be camping the with club at the Brady's Run Field Day site. Additionally, at the time of this writing, plans are underway to invite other scout troops from the Beaver County Scouting District to the event. Plans are also in the works to establish a special patch that will be available to any scout that attends the event.

(Continued on Page 3)

Newsletter & Information **Exchange Program**

- Have your club's latest news and happenings printed here for FREE!
- Is your club having a VE session or classes? Let me know and I'll help spread the word!
- Planning a Hamfest? Drop me a line and get some FREE PR in the eQRM!
- Having an ARRL night, special speaker or program? The eQRM can help by spreading the news within our region!

REPEATER ANTENNA FUND

Good news! At the time of this writing, the club's antenna fund has reached the \$470 mark! WOW! The cost of a new four bay dipole for the repeater is \$730 delivered.

Special thanks are in order for all club members that have contributed to the fund. A list of donators will appear in upcoming issues of the eQRM.

Donations to the club's antenna fund can be made by using the membership application found on page 6 of this issue.

ANTENNA FUND CONTRIBUTORS

 Dave, KA3SMF
 \$20.00

 Norm, K3NJT
 \$100.00

 Pam, W3PMS
 \$60.00

 Jack, KZ3Z
 \$145.00

 Bob, WA3ZRM
 \$145.00

 TOTAL TO DATE
 \$470.00



The Beaver Valley Amateur Radio Association meets at the Beaver County Emergency Operations Center located at 250 East End Avenue, Beaver, PA on the second Thursday of every month at 7:30 PM. Everyone is welcome.

+++PLUS+++

Don't forget to listen to the BVARA club nets every Wednesday Night! 2 Meter Net on 145.310 MHz 100Hz PL at 8:30 PM and the 10 Meter Net 28.370 OSY +/- 10 at 9:00PM.

Letters and E-Mails to the Editor

The eQRM welcomes letters/e-mails to the editor. Letters must be signed and contain your contact information for verification prior to publication. Preference will be given to letters of 200 words or less. Letters are subject to editing. Unused letters will not be acknowledged or returned.

The BVARA 10 Meter Net Lunch group will be meeting this
Thursday at Kings in Center Twp at 11:00 AM. All area amateurs are invited and encouraged to attend the
Thursday Morning Lunch.

VE TEST SESSION TO BE HELD ON JUNE 7, 2008: The BVARA sponsors ARRL VE examinations at the Community College of Beaver County's Aviation Science building, 125 Cessna Drive, (Chippewa Twp.) Beaver Falls, PA. For more info on the test session, dates and times, contact Tony, KE3ED @ 724-774-4173 or by e-mail at KE3ED@arrl.net.

2008 BVARA OFFICERS & DIRECTORS

President: Robert De Marco, WA3ZRM First Vice President: George Caffro, N3HOJ

Second Vice President: Vacant

Secretary Elect: Norm Trunick, K3NJT Treasurer: Shawn Hastwell, KB8UDE Director: Chris Moratis, W3OUF Director: Jack Spencer, KZ3Z

Trustee: Tony Petruccelli, KE3ED/W3SGJ



















ROSSI WINERY WIRELESS SOCIETY



Temporary Relocation
Notice

All area Amateur Radio Operators are invited to attend the weekly meeting of the Rossi Winery Wireless

Society. Until further notice, the Society will be meeting Saturday's at Rainaldi's Restaurant in Center Township. The reason for this temporary move is due an illness in the

Rossi Family. As always, the meeting will begin at 6:30 PM with a traditional Vino toast. Talk-in is on the ,31 repeater.



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Field Day 2008 is going to be BIG this Year!!!

And finally, plans are underway to reactivate the clubs Explorer Post! Formed in the early 1980's, BVARA Explorer Post 730 was instrumental in licensing many young adults in our area. With luck, the first reorganizational meeting of the Post will take place during Field Day. Additional monthly meetings of the Post will be held following regular club meetings on the Second Thursday of every month at the Beaver County 911 Center located in Beaver PA.

As always, the BVARA Field Day will begin with its traditional covered dish dinner on Friday night.

For more information on Field Day, please visit:

http://www.arrl.org/contests/announcements/fd/



BVARA Explorer Post 730

BVARA to Attend Tri-State Radio Fest this Sunday

The auction check-in and preview will be open from 9:00 AM until noon. Bidding will start at 12:00 noon and will continue until $\sim 5:00$ PM. Note - All proceeds go to supporting this event and the sponsoring clubs.

AUCTION RULES:

- 1. All buyers must register and receive an auction number. Registration will be at the pre-auction check-in area. A 10% bidders fee will be added to all purchases. Payment is to be by CASH ONLY no checks or credit cards.
- 2. Each seller will be required to fill out an auction form for each item entered into the auction. Consignor #, Minimum bid if applicable, Short Description. The serial number on the form will be the item number. If an item is not tagged properly, it will not be presented for sale.
- 3. Any item not receiving a bid of at least the specified reserve will be considered a "No Sale".
- 4. A 10% commission will be charged by the Radio Fest to the consignor AND an additional 10% paid by the bidder on top of the bid. This will be a straight percentage. No commission will be charged on "No Sale" items.

FOR EXAMPLE - Winning bid is \$100. Commission due is \$10 from Consignor and \$10 from the bidder on top of the final bid. The Bidder will end up paying \$100 Plus \$10 = \$110. The Consignor will receive \$90.

- 5. The order of items presented for sale will be at the discretion of the auction personnel.
- 6. Bidders (Buyers) Will be able to pay and pick up your purchased items during or immediately at the conclusion of the auction. All purchases must be paid for and removed by 7:00PM.
- 7. Consignors (Sellers) are required to remove all "No Sale" items on Sunday 7:00PM. Sellers can be paid immediately at the conclusion of the auction. If you elect not to be paid on Sunday, a check will be mailed to you.
- 8. Items left in the auction room at the conclusion of the auction are the sole responsibility of the owner.
- 9. Absolutely no items containing mercury or other hazardous substances may be consigned.

If you are interested in selling, registration is required. Badges and Flea Market Reservations are to be picked up at the Reception Table. NOTE - If buying table(s) (\$20 each) you and one other are exempt from registration fee. Attendee Registration (Children 12 & under free) \$5.00.

For more information on the Radio Fest contact: Regis Flaherty phone 724-969 -0643; Ken Young phone 724-843-3082, Chris Wells 724 942 1113

(radioactive55man@comcast.net) or visit:

www.pittantiqueradios.org

THE HAM'S HOROSCOPE

BY MADAM ZELDA, STIARS

That's Gold		I'm Happ	у	Can't Co	omplain	N	ot Happy	Turn down the heat		
Sign	Romance		Home & Family		Finan	ces	s Career		General	
Aries										
Taurus										
Gemini										
Cancer										
Leo										
Virgo										
Libra										
Scorpio										
Sagittarius										
Capricorn										
Aquarius										
Pisces										

ARRL WPA Section News de N3MSE

This month has several opportunities for members to participate in various events. On Saturday April 19th the Atlantic Division will once again conduct an online webinar. The details of the webinar are available on the division website at www.atldiv.org and click the training tab. There you will find a listing of the upcoming webinars and the ability to register to participate.

The webinar on April 19 will be about emergency services.

On April 27 we have the Two Rivers ARC hamfest in Boston, Pa. I will be in attendance at the hamfest to talk with members regarding any issues they may have or information needed. Please stop by the league table and say hi. If you would like more information on the hamfest please go to http://mysite.verizon.net/n3xbw/trarc/id1.html for a copy of the hamfest flyer. I hope to see many of you at the hamfest. I missed the washfest due to a sudden death in the family but am looking forward to seeing everyone at this upcoming event.

On April 29 I will be attending the Skyview ARC meeting to discuss upcoming events and to answer questions from the attendees at the meeting. I am sure some of the details regarding this years section convention to be held August 24 at their hamfest. This years speaker from HQ will be membership manager Katie Breen, K1KRB.

We are only two short months away from field day and I am looking for field day sites to visit during that weekend. I will be traveling around the section on both days to visit with various clubs. Any group that would like me to try to stop by is asked to send me an invite and directions to their site or at least an address to put into the GPS. Field day is a great opportunity to see the many different ways amateurs can operate under less than ideal conditions in the event of an emergency. I am looking forward to hearing from section clubs.

Our ARES program is making progress in filling the field positions that are necessary to operate smoothly. John Szwarc , N3SPW is still looking for individuals to fill the positions of EC in the following counties: Butler, Cameron, Elk, Somerset and Westmoreland. Any individual interested in these positions can contact john at n3spw@arrl.net or can submit a FSD-156 form online at http://www.arrl.org/FandES/field/forms/ scroll down and use FSD-156. John will then review the application as will the DEC of that area and forward to me for appointment.

The board of directors created a few new field appointments at the last board meeting. These positions are assistant DEC and SEC. Anyone interested in these positions may also complete the FSD form expressing your interest. Don't forget the WPA Phone and Traffic net each evening at 6PM local time on 3983. Help us to handle traffic throughout the section.

See you at the hamfests!

73

John Rodgers N3MSE

Letters to the Editor

Dear Editor:

Hello, my name is Dave Moore - KB3IEC, Communications Co-Chief for the Waste Management Susquehan-nock Trails Performance Rally® presented by Citizens & Northern Bank, in Wellsboro, PA. For decades, amateur radio enthusiasts have been helping provide safety and logistical support for STPR®. Like last year, I am hoping that you can help us "get the word out" about our new and improved event. (Despite much lawenforcement effort, last year's event was marred by a serious alcohol related disruption.)

<u>STPR</u>® (www.stpr.org) is an auto race that takes place over 2 days (June 6 & 7), with about 14 hours of competition over hundreds of miles. Drivers travel at speeds reaching 100 MPH through <u>closed and controlled</u> forest roads. Rally teams navigate the generally smooth and twisty Pennsylvania State Forest roads in cars that range from all-out race cars to highly modified street cars.

STPR® is asking for your help getting the word out about this exciting public service opportunity. Net Control operators are needed, as well as hams with portable and/or mobile radios, and APRS & packet operators. You can work indoors or outdoors, maybe even ride in an official vehicle! We are hoping that your group members will bring their special skills and become one of the 400 plus volunteers, including 30-50 hams, who enjoy helping others, the sport & competition, and the camaraderie of participation.

All volunteers are invited to the Friday evening welcome party, Saturday after-event party, and the awards presentation. Each will receive a collectors pin, lunch voucher and event bumper sticker - and some of the best seats in the house to watch! *Pre-registered* volunteers will also receive an event T-shirt.

Along those lines, I would like to send an invitational/recruitment message to you for inclusion on your website or for transmission via your email chain/listserve. We are expanding our efforts to inform a wider set of hams about this exciting opportunity. I am sending a PDF version (attached file) of our radio recruitment message. More information is included in the attachment. If you need a different format please let me know; I can format the document in MS Word (.doc), HTML (.htm), & Lotus WordPro (.lwp), as well. Please do not feel pressured by this request; we realize that webserver space and bandwidth, time and upkeep issues, etc. all combine to make your job difficult at times.

Thank you for your consideration of these issues!

Dave Moore **STPR®** Communications Co-Chief

Dear Editor:

I find it interesting - your newsletter is seeking to contact the Atlantic Director of the ARRL for an interview and as yet - haven't heard back from him. Some things never change. I and a friend of mine approached one of them at a Hamfest years ago - and if looks could kill, we'd be dead. He was there to talk to and greet the people - but acted like he was being disturbed when we approached him. That and some other things - turned my stomach against the ARRL forever.

I "did" subscribe to the ARRL years ago - but - because of the things aforementioned - dropped out. I don't need to pay subscription fees for that crap - I get enough from the Government officials. The ARRL will never see another dime from me.

C. L. Furlong

Letters and E-Mails to the Editor

The eQRM welcomes letters/e-mails to the editor. Letters must be signed and contain your contact information for verification prior to publication. Preference will be given to letters of 200 words or less. Letters are subject to editing. Unused letters will not be acknowledged or returned.

N3LLR Interview???

Over the past few month's, I have contacted, via e-mail, ARRL Atlantic Division Director, Bill Edgar, N3LLR asking for an interview concerning the upcoming Division election. *To date, I have yet to receive a response.*

I would like to ask Bill his position on questions posted in the last few issues of the eQRM as well as those other hams are asking on the qrz.com forums.

If any of you would like to see such an interview, I urge you to contact Bill at: n3llr@arrl.org asking him to participate in an interview. TNX de WA3ZRM





RACES & ARES

eQRM Urges <u>ALL</u> Beaver County Amateurs to Participate

As a matter of editorial opinion, the eQRM urges all Beaver County licensed amateur's to participate in the County's RACES and ARES programs.

Any Beaver County Amateur that is interested in participating in the RACES/ARES programs can do so by checking into the Beaver County Public Service Net which meets every Monday evening at 8:30 PM local time on the N3TN 146.850 MHz repeater (88.5 PL).

A county wide Simulated Emergency Test involving the nuclear power plant will be taking place in early June. More information on this drill will be forthcoming in future editions of the eQRM.





BY BECOMING A MEMBER OF THE BVARA, YOU CAN HELP SECURE THE FUTURE OF AMATEUR RADIO IN BEAVER COUNTY. ADDITIONALLY, THE BVARA RECEIVES A PORTION OF EACH ARRL AND/OR WORLD RADIO SUBSCRIPTION YOU PURCHASE!

Join the BVARA, ARRL and World Radio

Sign up for:		Price	Quantity	
\square BVARA FULL MEMBERSHIP		20.00		
☐ BVARA STUDENT MEMBERSHI	P	15.00		
☐ BVARA ASSOCIATE MEMBERSHIP		10.00		
☐ BVARA SPOUSE/CHILD MEMBERSI	HIP	5.00		
☐ ONE YEAR ARRL MEMBERSHIP	•	39.00		
☐ WORLD RADIO SUBSCRIPTION		21.00		
ARRL MEMBER ? YES NO)	Subtotal: Donation Total:		
Your License Class (if any):				
☐ Novice	Nan			
☐ Technician	Add	ress		
☐ General				
☐ Advanced -				
□ Extra -	ne			
Your Call Sign:				Exp. date
Signature				

Make Check or Money order payable to: The Beaver Valley Amateur Radio Association, P.O. Box 424 South Heights, PA 15081 VOLUME 2, ISSUE 12 PAGE 7

Technical Tips & Info via the ARRL Contest Rate Sheet

Go mow the yard! Spring is a good time of year to play "Hide the Ground Radials". If the thought of trenches in the sod raises the blood pressure of you or your spouse, here's a time-tested, no-digging procedure. Get out the mower, sharpen its blade, and cut the grass as short as possible. Yes, that short! Scalp it! Then lay out the radials and hold them down against the crew-cut blades with short U-shaped pieces of wire placed every couple of feet or so along the radial. (Cheap iron wire will do nicely and rusts away fairly quickly.) In a couple of weeks the grass will have completely covered the radials and you'll never trip over them or hit them with the mower! The grass will continue to work the wire down until it hits the soil. Grass clippings and earthworm activity will contrive to bury it.

A Lightning Protection Yahoogroups forumhttp://tech.groups.yahoo.com/group/LightningProtection> has been established. This is a moderated technical forum for all aspects of power quality so there are plenty of topics that might strike your fancy! (Thanks, Rick O'Keefe)

A professional-quality Webinar on Impedance Matching in RF and Microwave Devices is available on-line at the Microwave Journal magazine Web site http://www.mwjournal.com/ Resources>. The instructor is Les Besser of Besser Associates and the presentation is hosted by David Vye of Microwave Journal. The presentation is sponsored by Maury Microwave. Regi tration is required, but there is no charge.

If you are storing gear for more than a few weeks, particularly in an outside storage facility, moisture is a concern. Responding to a request on the Amps reflector http://www.contesting.com for suggestions on how to keep the gear dry, several members recommended using widely dessicant packets. Wrap the gear in a sturdy plastic bag, place at least one dessicant packet in the bag, suck out as much air as you can and seal the bag tightly. If you can put the wrapped gear in a cardboard box, so much the better. Dessicant packets are included with most new pieces of electronic gear, too.

Buying plastic feet made specifically for electronics gear can be pricey because of the low volume in which these parts typically sell. Howard K2UD points out that hardware stores sell adhesive feet for furniture and appliances that may do just as well. Craft stores are always another possible source, carrying a stupendous array of stuff.

Instructions for building a switchable "Field Day" stub that reduces interference between stations on 40/20/15/10 are on the Hands-On Radio Web site http://www.arrl.org/tis/info/HTML/Hands-On-Radio. (This was originally suggested by K6LL or N2IC.) Download Experiment #22 on "Stubs". At the 80/75-meter station, attach a 1/4-wave shorted stub as that will act as a short on 40, 20, 15, and 10 with varying degrees of attenuation on the higher bands. For the complete (and I mean COMPLETE) story, get a copy of W2VJN!'s bcsls "Managing

Interstation Interference" from International Radio <http://www.qth.com/inrad>.

Relays adapted to RF applications need suitable connections to the contacts and armatures. Vic K2VCO makes connections to the relays with thin strips of hobby shop copper foil (0.002" thick, cut to about 1/8" width). He notes that the connection should have a little slack in it. Pat AA6EG has used solder wicking braid as a flexible RF conductor at various places in an HF amp, that needed a small amount of movement flexibility. (Thanks, Pat AA6EG)

When repairing an electromechanical component, such as a switch or insulating mounting bracket, if you use epoxy be sure that it does not contain metal particles. The popular JB Weld, for example, has metal filler so it would be risky to use when repairing a bandswitch. The pure resin epoxies (usually clear or translucent) or cyanoacrylate glue would be a better choice in such an application. (Thanks, Carl KM1H and others)

Some erroneous design calculations for Pi-L networks are still circulating in older literature. However, Jim WB6BLD's excellent free--ware PI-EL programhttp://www.tonnesoftware.com and the Web calculator at http://www.qsl.net/wa2whv/radiocalcs.shtml give the correct values. (Thanks, Roger N1RJ)

An occasionally crucial transistor parameter is the thermal resistance from the junction (where the action is) to the case (where the heat finally escapes). Symbolized as a "theta" with subscripts denoting the points between which the resistance is specified, this is occasionally insufficient for real-world design. So manufacturers have started using a broader specification, symbolized by "psi". For an explanation of the difference, check out the article "Psi or Theta?" http://tinyurl.com/54vznf by Roger Stout in the March 2008 issue of Power Electronics Technology magazine.

The IEEE Antennas & Propagation Society magazine for December 2007 (vol 49, no 6) was particularly meaty, containing articles on ground losses ("Accurate Evaluation of Magneticand Electric-Field Losses in Ground Systems", by Dorado and Trainotti), basic antenna concepts ("The Antenna as a Transducer: Simple Circuit and Electromagnetic Models" by Sevgi), and analysis of servo mechanisms of those big NASA Deep-Space dishes by Gawronski. If you have access to a professional library, it's a good issue to browse.

Mario S56A notes that COM ports implemented via USB generally don't support the RTTY Baudot standard. As it turns out, there is at least one known USB adapter that does. Mike NF4L replied that AA5AU's authoritative RTTY Web sitehttp://www_aa5au.com/gettingstarted/rtty_start8.htm lists the Belkin F5U103 as being an adapter that will run 5-bit Baudot code. Little things like this can derail big efforts!

ARRL ATLANTIC DIVISION NEWS

The Atlantic Division leadership held its annual cabinet meeting in Binghamton, NY on April 5th. The Section Manager and/or section representatives from the Delaware, Eastern Pennsylvania, Maryland/DC, Northern New York, Western New York and Western Pennsylvania Sections participated in addition to several ARRL Special Service club representatives.

A big thanks goes to Steve Piotrowski KC2QZF and Ron Brodowski KC2P for their excellent presentation of APRS; to Jim Cross WI3N, MDC Section Manager for his excellent presentation on Maryland/DC Section Legislative Efforts; and to Jason Bange KB3PFJ for his presentation on working with the Seventh Day Adventists youth organization -- 'The Pathfinders' to recruit new and younger amateur radio operators.

Some of the topics discussed were Training and Education Initiatives; Initiatives in recruiting new amateur radio operators; and the ARRL's goal of 30,000 new hams in 2008.

The Awards Committee is reviewing the nominations received to select the recipients of the Atlantic Division Amateur of the Year and the Atlantic Division Technical Achievement Award for this year.

The awards will be announced at and presented to the winners at the Atlantic Division Convention in Rochester, NY at the end of May this year.

We have three teleconferences/webinars that are scheduled and open to interested ARRI members

This Saturday, April 19th at 11am to 12pm, meet with ARRL's Emergency Preparedness and Response Manager, Dennis Dura K2DCD, who will present information about the ARRL's EmComm program and what he's been working on. This webinar/teleconference is for clubs members, ARES members, Section Managers, Section Cabinet Staff and those interested in emergency communications.

Registrations for Dennis' presentation have been heavy and we've got just a few more 'seats' available. To make sure you've got a 'seat' available, we recommend going to: http://www.atldiv.org/training and registering as soon as possible.

On Saturday, May 24 at 11am to 12pm, meet with ARRL's Media and Public Relations Manager, Allen Pitts W1AGP, who will present information about the ARRL's new public relations program for 2008. This webinar/teleconference is for Public Information Officers, Public Information Coordinators, club members, ARES members, Section Managers, Section Cabinet Staff and those interested in public relations as it pertains to amateur radio.

On Saturday, June 14 at 11am to 12pm, meet with ARRL's Regulatory Manager, Dan Henderson N1ND, who will present information about the ARRL's regulatory program and what he's been working on.

This webinar/teleconference is for anyone interested in regulatory issues such as ARRL members, clubs members, ARES members, Section Managers, Section Cabinet Staff and everyone else.

To register for one or all of these webinars or for more information about these webinars, please go to the Atlantic Division Website Training page located at: http://www.atldiv.org/training

(Continued on Page 11)

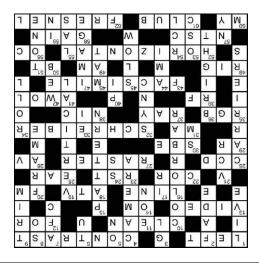




The Amateur Radio Crossword Puzzler

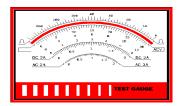
By H. Ward Silver, NOAX

There are a surprising number of hams sending pictures around the globe. Can you name four different methods? They're all buried in this puzzle somewhere. This week's puzzle is devoted to the intricacies of beaming those smiling faces via the airwaves. Put on that beret, pull up a director's chair and...three, two, one...Roll 'Em! See next page...



Across

- **1.** Screen side where the picture starts
- **4.** Difference between light and dark level
- 10. An undistorted signal
- 12. ... he's a jolly good fellow
- 13. A picture signal
- 14. CW abbreviation for husband
- **16.** One trace of the beam across the screen
- **18.** Abbreviation for amateur fast-scan images
- 20. Modulation for television audio
- **22.** A repeater's squelch operates this circuit (acronym)
- 23. CW signal report
- 25. Listening organ
- **26.** Digital light sensor (acronym)
- 27. An entire television visual field
- **28.** Acronym for audio and video equipment
- **29.** CW prosign for End-of-Message
- **30.** Professional broadcast engineering society (acronym)
- 31. Unit of current
- 32. The mode is hell
- **35.** Three-component color (acronym)
- 37. Another word for beam
- **38.** Network interface accessory (acronym)
- **39.** Causes a painful burn on a microphone
- **41.** If you're gone without permission (acronym)
- **43.** Single-sheet pictures
- 48. Slang for a radio
- 49. Modulation for television picture
- **50.** CW prosign for a dash
- **52.** Direction of each trace across a screen
- **56.** Off-Center (acronym)
- **57.** Acronym for a television signal standard
- **58.** Amount of amplification
- 60. Not yours
- 61. Social ham group
- **62.** Lens made from closely-spaced lines



1		2	П		3		4	5		6		7	8	9
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13						14			15					
		H		16	17			ı	18		19		20	t
	21		22		\vdash		23	24			25			ь
26						27							28	Г
29	+		30			4							Н	ь
			31	+		32				33			┪	34
35		36		37					38	1		3 5		r
		39						40	6		41	42		T
				43	44		45		46	47		+		t
48									49	1		50	51	'n
		52	53	54						1	55		56	
П	57		\vdash	1						58		59	Н	
60			61	+				62			+	+	+	

Down

- 1. Perform in real time
- 2. Slowly dim picture to black
- 3. Good luck!
- **4.** Picture capturing device
- **5.** Energized
- 6. Thanks!
- **7.** Circuit that locks an FM receiver to a signal (acronym)
- 8. A needle pulling thread
- 9. Fine adjustment
- **10.** Picture for calibrating color (two words)
- 11. Long time
- 15. Picture used for testing
- 17. Invisible light (acronym)
- 19. Up and down direction
- 20. One complete screen
- **21.** Recording device (acronym)
- **24.** Big contest in November (abbr.)
- **26.** These provide a reference for sidebands
- **30.** ARRL Section official (acronym)
- **32.** Pulse that keeps time
- 33. Precedes E-I-O

- **34.** Lose lock and the picture will do this
- **36.** Increased light areas make the picture look this way
- **40.** Ratio of circumference to diameter
- 42. It's world wide
- 44. French friend
- **45**. Type of scans on 20-meters
- **46.** Dull or non-reflective
- **47.** Artificial picture
- 51. Color shading
- 53. Oscillator (abbr.)
- **54.** The three basic component types (acronym)
- 55. Spanish for "the"
- **57.** Home state of the Mets
- 59. A cat that's out wants this



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WESTERN PA SECTION HAMFEST UPDATE

Tri-State Radio Fest - Center Stage, Monaca, PA Sunday, April 20, 2008

4 Annual Antique Radio Flea Market and Auction

- No Computers.

Vendor set-up at 6:30 - 8:30 am 6' Tables are \$20 each

- Entrance fee included

Open to buyers from 8:30 am - 12:00 noon

- Entrance fee is \$5.00

Door Prizes drawn at 12:00 noon, Auction following Check-in for auction items 9:00 am to 12:00 noon



27 Apr 2008 + Two Rivers Amateur Radio Club http://www.qsl.net/w3oc> Talk-In: 146.130 / 146.730 Contact: Bill Hetrick, N3LQC

> PO Box 225, Greenock, PA 15047-0225 Phone: 412-751-1937 Email: <n3lqc@Comcast.net>

Boston, PA
The Spectrum
6100 Smithfield Street



The BREEZE SHOOTERS



1 Jun 2008 + Hamfest and Computer Show Breezshooters ARC http://www.breezeshooters.net Talk-In: 147.300 (no tone)
Contact: Robert W. Benna, N3LWP, 1010 Willow Drive, Pittsburgh, PA 15237-2225
Phone: 412-366-0488 Fax: 412-366-0488

Email: <n3lwp@verizon.net>
Butler Farm Showgrounds
Route 68, (next to Roe Airport)



13 Jul 2008 + 23rd Annual Hamfest- North Hills Amateur Radio Club http://www.nharc.org Talk-In: 147.09 (PL 88.5)

Contact: John Gorman, N3RQD, 162 Home Drive, Pittsburgh, PA 15223

Phone: 412-487-9254 Email: <a href="mailto:<a href="mailto:<a href="mailto:<a href="mailto: + 300 Cumberland Road

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24 Aug 2008 * Western Pennsylvania
Section Convention
Skyview Radio Society
<http://www.skyviewradio.net/>
Talk-In: 146.640- (PL 131.8)
Contact: Bob Boehmer, WB3FXC
1240 Hulton Road
Oakmont, PA 15139
Email: <SkyviewHamfest2008@verizon.net>
New Kensington, PA
Skyview Radio Society Clubhouse
2335 Turkey Ridge Road

eQRM Establishes Yahoo Group

The eQRM is pleased to announce that it has formed a Yahoo Group. The Group is located at:

http://groups.yahoo.com/group/eQRM/

Many radio clubs across the country have formed Yahoo Groups to help keep members informed on matters of interest. Locally, both the Wireless Association of the South Hills and the Two Rivers Amateur Radio club have established Yahoo Groups for their members. If other local clubs have Yahoo Groups, I would be interested in hearing from them. Yahoo groups allow members to post and share photos,

files and have discussions. There is no cost in establishing a Yahoo Group. All readers of the eQRM are invited to join our Group.



ARRL Atlantic Division News (Continued from Page 8)

You should also check back on the above web page frequently to stay up on future training webinars.

We have had some suggestions for a future division teleconference/webinar on grab and go kits within the Atlantic Division. We plan on featuring the top notch grab and go kits within the division with pictures and a component list of equipment and features of these kits.

If you would like to have your kit considered, please send pictures and information about your kit to grabandgo@atldiv.org We are extending the deadline for submissions to May 31, 2008. We have several conventions that have been approved. Those approved conventions are:

Atlantic Division Convention -- May 30 & 31
Rochester, NY
Eastern PA Section Convention -- July 4
Bressler, PA
Western PA Section Convention -- August 24
New Kensington, PA
EmComm East Emergency Communications Convention -- September 20
Rochester, NY

The last three weekends have been very busy. Both the Director and Vice Director were at the Timonium Hamfest, and once again the Baltimore Amateur Radio Club put on a great hamfest. We enjoyed meeting up with members, both new and familiar.

Our Cabinet Meeting in Binghamton was well attended and was a source of good information and exchange of ideas.

This past Saturday was the Sussex Techfest in Georgetown, DE and this was the third year for this event. They have improved upon the preceding year, each year they've held this event. Sunday put us at an award presentation in Western New York for the Atlantic Division Grand Ole Ham Award. Circumstances dictated the need of an early presentation, but this was one of the most moving and inspiring presentations we've been involved in. We'll have more information on this presentation with the announcement of the other Atlantic Division awards.