

THE BEAVER VALLEY AMATEUR RADIO ASSOCIATION
WWW.W3SGJ.ORG
BEAVER COUNTYS ONLY 75 YEAR ARRL AFFILIATED CLUB!

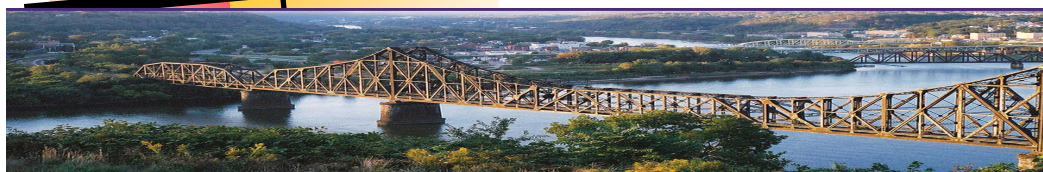
The eQRM Newsletter

Home of W3SGJ/R
145.310- 100 Hz PL

Volume 2, Issue 11

April 12, 2008

Bob, WA3ZRM - Editor



THE BEAVER VALLEY ARA BEAVER RETURNS!

A long lost friend has returned to the pages of the Beaver Valley Amateur Radio Association's newsletter.

The BVARA Beaver, once proudly displayed on the newsletter's masthead, is now back thanks to the efforts of Pam, W3PMS.

The BVARA Beaver was developed by Mrs. Rita Peluso, the mother of former BVARA member and past president, Thom Peluso, KF3V.

Mrs. Peluso created the club mascot while her son, Thom, was editor of what was then the Beaver

County QRM.

Although absent from the pages of the club's newsletter for a number of



years, the mascot remained a cherished part of BVARA history by proudly displaying him or

her self on BVARA membership cards.

The BVARA Beaver has also been known to appear on BVARA QSL cards, which the editor hopes to publish in upcoming editions of the eQRM.

With the help of W3PMS and other interested club members, I hope to receive jpeg's of old BVARA QSL cards in the coming weeks. Additionally, the Beaver will be a topic of discussion at this week's club meeting to be held on Thursday, April 10, 2008 at 7:30 PM at the Beaver County Emergency Ops Center.

Inside this issue:

Rossi Wireless Society	2
Meeting Agenda	4
Ham's Horoscope	4
Membership Info	6
N3LLR Interview???	6
HAMFEST Update	10
Yahoo Group Info	11

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!

PA House HB177 and Senate SB884 Amateur Radio Bills

Forwarded by: Bob, N3DOK

If you have received this information already from the ARRL mail list, please excuse this one. As mentioned below, every Amateur in Pennsylvania needs to contact their PA state lawmakers. Why spend lots of money fighting a lawsuit against a town, when a first class postage stamp can do a lot more. Sending letters pushing for the legislation (HB177 and SB884) to come out of committee and be positively voted on by the legislature, the individual amateur radio operator can make life a lot better for all of us.

RADIO CLUBS! Have a meeting to work on a mailing that comes from every member. Work together to provide information for Amateurs that need some help in sending a letter to their PA state lawmaker. There is strength in numbers. (Continued on Page 3)

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 donors 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	<u>\$145.00</u>
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 QSY +/- 10 at 9:00PM.

Letters and E-Mails to the Editor

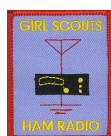
The eQRM welcomes letters/e-mails to the editor. Letters must be signed and contain your contact information for verification prior to publication. Preference will be given to letters of 200 words or less. Letters are subject to editing. Unused letters will not be acknowledged or returned.

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@arri.net.

2008 BVARA OFFICERS & DIRECTORS

President: Robert De Marco, WA3ZRM
 First Vice President: George Caffro, N3HOJ
 Second Vice President: Debbie Mehutes, KB3EAQ
 Secretary Elect: Norm Trunick, K3NJT
 Treasurer: Shawn Hastwell, KB8UDE
 Director: Chris Moratis, W3OUF
 Director: Jack Spencer, KZ3Z
 Trustee: Tony Petrucci, KE3ED/W3SGJ

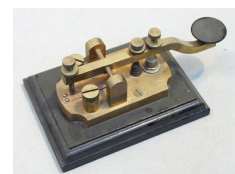


ROSSI WINERY WIRELESS SOCIETY

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 Ranildes 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.



PA House HB177 and Senate SB884 Amateur Radio Bills

(Continued from Page 1)

The time has come to be considerably more serious than we have been over the antenna tower legislation that is pending in the Pennsylvania Legislature. At the present time both House Bill 1777 (HB1777) and Senate Bill (SB884) are presently lying idle in their respective committees. Some of the information that we have been given indicates that progress on this legislation is stalled because of political party considerations. We CANNOT CONFIRM NOR DENY this information. The fact remains that the legislation is apparently at an impasse. We need to get this legislation moving before it dies in Committee.

What I propose is that everyone contact the members of the involved committees (see information below) and urge them to approve this proposed legislation and get it out onto the floor of the general assembly for a vote. Senators and Representatives who are also sponsors of the bills are identified below. Members of the committee who are also sponsors should be sent a communication thanking them for their support in sponsoring the legislation and asking their continued support. Once the legislation has been approved by the Senate and House Committees (Local Government Committee) we will then make contact with or Senators and Representatives in the General Assembly and urge their support of the legislation.

To start with the web site where all of the following information is available (plus considerably more) is <http://www.legis.state.pa.us> From that starting point you can find all the information you will need. However, what follows is a synopsis of the information that I compiled. Please note that at the web site listed above the manner in which the information is presented differs between the Senate and the House.

PA Senate Bill 884 - SB884 Sponsors -

Stewart J. Greenleaf, (R.) 7th District
Robert D. Robbins, (R.) 50th , Local Government Committee member
Jay Costa, (D.) 43rd
Wayne D. Fontana, (D.) Local Government Committee member
Patrick M. Browne, (R.) 16th
J. Barry Stout, (D.) 46th
Bob Regola, (R.), 39th , Local Government Committee Chairman
Andrew W. Dinniman, (D.), 19th , Local Government Committee member
(Democrats = 5, Republicans = 4)

PA House Bill 1777 -- HB1777 Sponsors --

Katharine M. Watson, (R.), 144th District
Kerry A. Benninghoff, (R.) 171st
Tom C. Creighton, (R.) 37th
Gordon Denlinger, (R.), 99th
Tim Hennessey, (R.), 26th
Art Hershey, (R.), 13th

Thaddeus Kirkland, (D.), 159th
William C. Kortz II, (R.), 38th
Bob Mensch, (R.), 147th
Ron Miller, (R.), 93rd
Kathy L. Rapp, (R.), 65th
John D. Siptroth, (D.), 189th
Rosita C. Youngblood, (D.), 198th
Mark K. Keller, (R.), 86th
Kate Harper, (R.), 61st
Rob W. Kauffman, (R.) 89th
(Republicans = 12, Democrats = 4)

Please do all that you can to help get these bills passed and
PLEASE FORWARD THIS INFORMATION TO EVERY HAM IN PA THAT YOU CAN.

Thank you all for your attention and assistance.
73,

John V. Rodgers, N3MSE
ARRL Section Manager
Western Pennsylvania



THE HAM'S HOROSCOPE

BY MADAM ZELDA, ST1ARS

That's Gold		I'm Happy		Can't Complain		Not Happy		Turn down the heat	
Sign	Romance	Home & Family	Finances	Career	General				
Aries									
Taurus									
Gemini									
Cancer									
Leo									
Virgo									
Libra									
Scorpio									
Sagittarius									
Capricorn									
Aquarius									
Pisces									

April 10, 2008 Meeting Agenda

Call to Order

Flag Salute

Reading of the Minutes

Treasurer's Report

Committee Reports

Discussion Items:

- Update on Antenna Insurance Status
- Update on costs and type of new repeater controller
- Update on 501(c)3 Status
- Update on Scout Functions and Venture Post Participation
- Request Trustee & ARRL Asst. Section Manager to Reinstate BVARA SSC Status
- Discussion on Club Participation in the NTS
- Discussion on Programs following Club Meetings
- Any other items of interest to the club

W3PMS WILL BE PROVIDING REFRESHMENTS!

KRISPY KREME DONUTS & COFFEE!

MONACA EAT & PARK STOP FOLLOWING MEETING!

April 2008 Special Events



Apr 6-Apr 7, 0000Z-0500Z, Independence, MO. Association of Saints Church Radio Amateurs, W0C. ASCRA "QSO Party" - Founding of Community of Christ church in 1830 and ASCRA in 1973. 14.287 7.233 3.985. Certificate. ASCRA/W0SHQ, PO Box 73, Independence, MO 64051. *This is not a contest. We invite all hams (and world-wide ASCRA members) to contact us. Include SASE for certificate.* www.ASCRA.org

Apr 10, 0000Z-2359Z, San Angelo, TX. AB5BG. Bataan Death March. 28.400 21.300 14.250 7.235. Certificate. Donald R. Goff, 1210 Ardmore, San Angelo, TX 76905. ab5bg@wcc.net

Apr 11-Apr 12, 1330Z-2100Z, Indian Orchard, MA. Titanic Historical Society, W1MGY. 96th Anniversary of the Titanic voyage. 14.260 14.033 7.260 7.033. QSL. Titanic Historical Society QSL, PO Box 51053, 208 Main St, Indian Orchard, MA 01151-0053. www.hcra.org/titanic.htm

Apr 11-Apr 13, 1300Z-2359Z, Venice, FL. Tamiami Amateur Radio Club, K4S. Annual Venice Sharks Tooth Festival. 21.313 18.153 14.236 7.233. QSL. Jack Sproat, W4JS, 1419 E. Manasota Beach Rd, Englewood, FL 34223-6341. w4js@juno.com or tami-amiarc.tripod.com

Apr 12, 1400Z-2200Z, Gaylord, MI. Top Of Michigan Amateur Radio Club, N8ES. 1st Annual Statewide Youth Conference for Amateur Radio. 14.300 14.250 7.250 7.230. Certificate. TOMARC, PO Box 15, Gaylord, MI 49734. www.nm8rc.org



Apr 12, 1400Z-2200Z, Hawthorne, NJ. Bergen Amateur Radio Association, K2BAR. Earth Day Celebration. 28.350 21.325 14.325 SAT. Certificate. Fred Buchner, 202 Tenth Ave, Hawthorne, NJ 07506. ko2fb@arrl.net or www.bara.org

Apr 12, 1600Z-2300Z, San Diego, CA. USS Midway CV-41 Museum Radio Room, NI6IW. Commemorating the Centennial of the Great White Fleet visit to San Diego in 1908, and the USS Midway decommissioning in 1992. 14.325 7.250 14.060 7.040. QSL. USS Midway CV-41 Museum Radio Room, 910 N Harbor Dr, San Diego, CA 92101. af6ha@yahoo.com

Apr 12-Apr 13, 1400Z-0400Z, Ft Rucker, AL. Enterprise Amateur Radio Society, WD4ROJ. Army Aviation Branch 25th Year. 14.285 7.240. QSL. EARS c/o Carl Rippe, 21 Old Newton Rd, Daleville, AL 36322. www.earsweb.com/calendar.asp

Apr 12-Apr 13, 1500Z-1900Z, Ft Sumter, Charleston Harbor, SC. Coastal Amateur Radio Association, W4BWZ. 2nd Annual "First Shots of the US Civil War" April 12. 21.412 14.312 7.212 3.912. Certificate. Coastal Amateur Radio Assn, K4KOA, 14 Campground Rd, Yemassee, SC 29945. *This also a 3X Light House on the Air Station, covering historic Ft Sumter light, Sullivans Island & Morris Island lights.* k4koa@arrl.net

Apr 12-Apr 14, 1300Z-0000Z, Branson, MO. Titanic Hams, W0S. To commemorate the 96th anniversary of the Titanic disaster. 14.250 14.050 7.250 7.050. QSL. Dave Beckler, WA0SAP, 1005 W Oakhurst, Nixa, MO 65714. w0s.org

Apr 14-Apr 23, 0000Z-2359Z, Westford, MA. PART of Westford, K1P. Patriots Day celebration. 21.300 18.140 14.250. QSL. PART of Westford, WB1GOF, PO Box 503, Westford, MA 01886. www.wb1gof.org

Apr 16-Apr 21, 1600Z-0000Z, Linthicum, MD. Historical Electronics Museum ARC, W2W. Dedication of Wurzburg Radar at Museum. 14.250 14.050 7.250 7.050. Certificate. W2W Wurzburg-HEMARC, Box 1693 MS 4015, Baltimore, MD 21203. w3hem@arrl.net

Apr 19, 1500Z-2000Z, Carthage, TX. Panola County Amateur Radio Club, WA5PC. From the only international boundary marker within USA. 14.287 7.240 3.900. Certificate. WA5PC, 380 CR 1241, Gary, TX 75643. www.wa5pc.org

Apr 19, 1600Z-2300Z, Everett, WA. Cascade Radio Club, W7K. 60 years of ARRL affiliation. 21.350 14.250 7.25 3.85. Certificate. Roger Attwell, WN7M, 1814 Silver Lake Rd, Everett, WA 98208. *All stations worked will receive a certificate confirming the contact, postage paid, no QSL required.* www.cascaderadioclub.org



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. *Do date, I have yet to received 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@arrrl.org asking him to participate in an interview. TNX de WA3ZRM



**RACES
&
ARES**



eQRM Urges ALL 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
<input type="checkbox"/> BVARA FULL MEMBERSHIP	20.00	
<input type="checkbox"/> BVARA STUDENT MEMBERSHIP	15.00	
<input type="checkbox"/> BVARA ASSOCIATE MEMBERSHIP	10.00	
<input type="checkbox"/> BVARA SPOUSE/CHILD MEMBERSHIP	5.00	
<input type="checkbox"/> ONE YEAR ARRL MEMBERSHIP	39.00	
<input type="checkbox"/> WORLD RADIO SUBSCRIPTION	21.00	
	Subtotal:	_____
ARRL MEMBER ? YES NO	Donation	_____
	Total:	_____

Your License Class (if any):

- ☐ Novice
☐ Technician
☐ General
☐ Advanced
☐ Extra

Name _____

Address _____

Phone _____

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

Technical Tips & Info via the ARRL Contest Rate Sheet

Stan WAILOU's ARRL Web column "Surfin'" for Mar 21st <<http://www.arrl.org/news/features/2008/03/21/10020/?nc=1>> includes some links to useful low-band receiving antenna designs and Web sites. This information might be helpful for portable operating.

Steve XE1UFO suggests the following solution for capturing audio and video streams that don't lend themselves to the usual downloading techniques - FreeDownloadManager <<http://www.freedownloadmanager.org/download.htm>> It has filters to restrict capture to MP3 or GIF or whatever type of file you want.

While the dip meter (aka -- grid dip meter) is no longer the ham shack fixture it once was, it remains a very versatile piece of equipment. CW AI4MI also notes that they are very good for tuning 160 meter antennas in the presence of strong broadcast RF where an antenna analyzer may be unusable. He notes that the techniques to perform more than a dozen useful tasks are illustrated in the manual for the Heath HD-1250 at <<http://bama.sbc.edu/heath.htm>>. Dennis N6KI reports that Heathkit manuals are also available on-line at <<http://www.tech-systems-labs.com/heathkit.htm>>. W7FG <<http://www.w7fg.com>> sells original versions of the manuals as well. No word on whether original shipping boxes are also available to complete your collection.

Here's a neat site on antenna stacking for VHF+ contesters <<http://www.sm2cew.com/gt.htm>> that gives a figure of merit for quite a number of antennas. The more positive the published G/T figure, the better the combination. (Thanks, Gene W3ZZ)

Lynn N7CFO reports rediscovering an amazing technological breakthrough on page 122 of the October 1954 issue of QST by W9TO regarding wire size: "Formed by reverse drawing extremely fine wire, this conductor has the velocity factor of .07. Thus a 40-meter half wave is 4.62 feet long and a ten-meter mobile whip shrinks to a mere 6.7 inches. One experimental antenna being pruned for operation on 147.3 Mc. disappeared altogether." This is an incredible discovery, and Lynn is attempting to locate a source for this wire. It could revolutionize all radio operations, but the possibilities for VHF/UHF are truly staggering. Think about it - six meter stacked Yagis that can be stored in a shoebox!

While we are a bit past winter here in the Northern Hemisphere, cold weather performance of rotor grease is still a topic of concern in places. Doug VE5RA uses Canadian

Tire low temperature grease recommended for snowmobiles, NGLI grade 00. Since he lives in Saskatchewan, he should know.

Still using "password" as your password? Maybe you should toughen up that easily-guessed string, but what makes a password "strong"? Dennis N6KI sent this story <<http://forums.peworld.com/docs/DOC-1231>> that explains what you can do about changing from an 8-character weakling to something typed from stouter stuff.

And here is a company that sells some cool parts -- Sparkfun <<http://www.sparkfun.com>> has an interesting collection of goodies that run the gamut of adapters to IC's and networking gewgaws. (Thanks, Tom K1KI)

Laptop too hot? Rig too hot? Bill KC4PE posted a link to a series of "laptop coolers" <<http://tinyurl.com/2n8dxh>> that sit under the equipment to be cooled. Fans pull air through the equipment into the cooler, where it is, um, cooled. It seems to work well on radios large and small.

TECHNICAL URL OF THE WEEK -- Amplifier builders and maintainers will want to bookmark the WD7S Web site <<http://home.earthlink.net/~wd7s/updates.htm>>. It features a lot of discussion about vacuum relays and shows the actual timing of their operation. (Thanks, Jim W7RY)

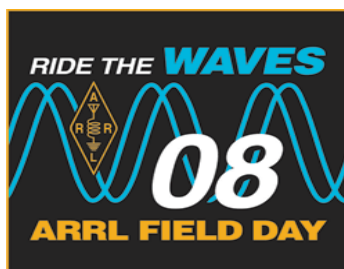
OPERTAING TIP OF THE WEEK -- After a weekend of mangling unusual call signs, your talking muscles may seem pretty worn out, especially if you used an unfamiliar call yourself! Take this as a sign that you should spend some time studying your regular contest call. Do the phonetics "flow" into each other so that your mouth works as little as possible? It might be a good idea to get together with a friend on a quiet band and try out different combinations of phonetics that have plenty of audio punch with a minimum of syllables and effort. You'll thank yourself after the next phone contest.



This year, for the first time, the ARRL has put together a Station Locator to help amateurs or those interested in Amateur Radio find a Field Day site near them. According to ARRL Field Day Manager Dan Henderson, N1ND, many amateurs have been asking for something like this for many years.

If your group would like to be a part of the Station Locator Service, it's easy to get started. Just go to the Field Day Station Locator Web site

<<http://www.arrl.org/contests/announcements/fd/locator.php>> and follow the instructions.



WWW.ARRL.ORG

April Special Events (Continued from Page 5)

Apr 19, 1600Z-2200Z, Long Beach, CA. Shoreline Amateur Radio Association, K6SYC. SYC Salutes 33rd year of Long Beach Grand Prix. 14.265 7.250 3.850 147.090. QSL. K6SYC, 386 Shoreline Dr S, Long Beach, CA 90802. *Tune in and hear the roar of Grand Prix racing in the background. Special event station is just a few yards from the track.* K6SYC@yahoo.com

Apr 19, 1600Z-2200Z, Norman, OK. South Canadian Amateur Radio Society, W5NOR. Commemorating the Oklahoma Land Run of 1889. 14.325. QSL. SCARS, PO Box 720993, Norman, OK 73070. www.w5nor.org

Apr 19-Apr 20, 1400Z-0500Z, McArthur, OH. Vinton County Amateur Radio Club, W8V. 5 Covered Bridges in Vinton County, Ohio. 14.250 14.080 7.225 3.835. Certificate. Tom Coelho, 62130 Locker Plant Rd, McArthur, OH 45651.

Apr 24-Apr 26, 0700Z-2300Z, Barry, IL. Hannibal Amateur Radio Club, K9P. 2008 USPSA Handgun Nationals PASA-Park. 14.265 7.265. QSL. Hannibal Amateur Radio Club, PO Box 1522, Hannibal, MO 63401. www.w0kem.com

Apr 25-Apr 27, 1900Z-0700Z, Visalia, CA. International DX Convention, K6V. Celebrating the 59th International DX Convention. 14.250. QSL. Mel Hughes, K6SY, 28017 San Nicolas Dr, Rancho Palos Verdes, CA 90275. www.dxconvention.org

Apr 26, 0000Z-2359Z, Wall, NJ. Ocean Monmouth Amateur Radio Club, N2MO. International Marconi Day, Award Station. 14.250 14.050 7.250 7.050. Certificate. OMARC, PO Box 267, Oakhurst, NJ 07755. *International Marconi Day Award Station from the original Belmar, NJ site.* www.omarc.org

Apr 26, 1300Z-2330Z, Springfield, IL. Sangamon Valley Radio Club, N9L. 2008 BSA Lincoln Trail Hike. 14.240 7.240. QSL. Sangamon Valley Radio Club, c/o American Red Cross, 1045 Outer Park Dr, Springfield, IL 62704. www.svrc.org

Apr 26-Apr 27, 1600Z-2300Z, Aberdeen, WA. Grays Harbor Amateur Radio Club, W7ZA. 54th Birthday at Bowerman Airfield Tower, Hoquiam, WA. 14.280 14.100 7.250 3.950. QSL. W7ZA GHARC, PO Box 2250, Aberdeen, WA 98520. www.gharc.org

Apr 27, 1600Z-2200Z, Charlottesville, VA. Albemarle Amateur Radio Club, W9GFZ. National Radio Astronomy Observatory Community Open House. 14.220 7.220. QSL. AARC, PO Box 6833, Charlottesville, VA 22906. awslinger@earthlink.net



The Amateur Radio Crossword Puzzler

By H. Ward Silver, NOAX

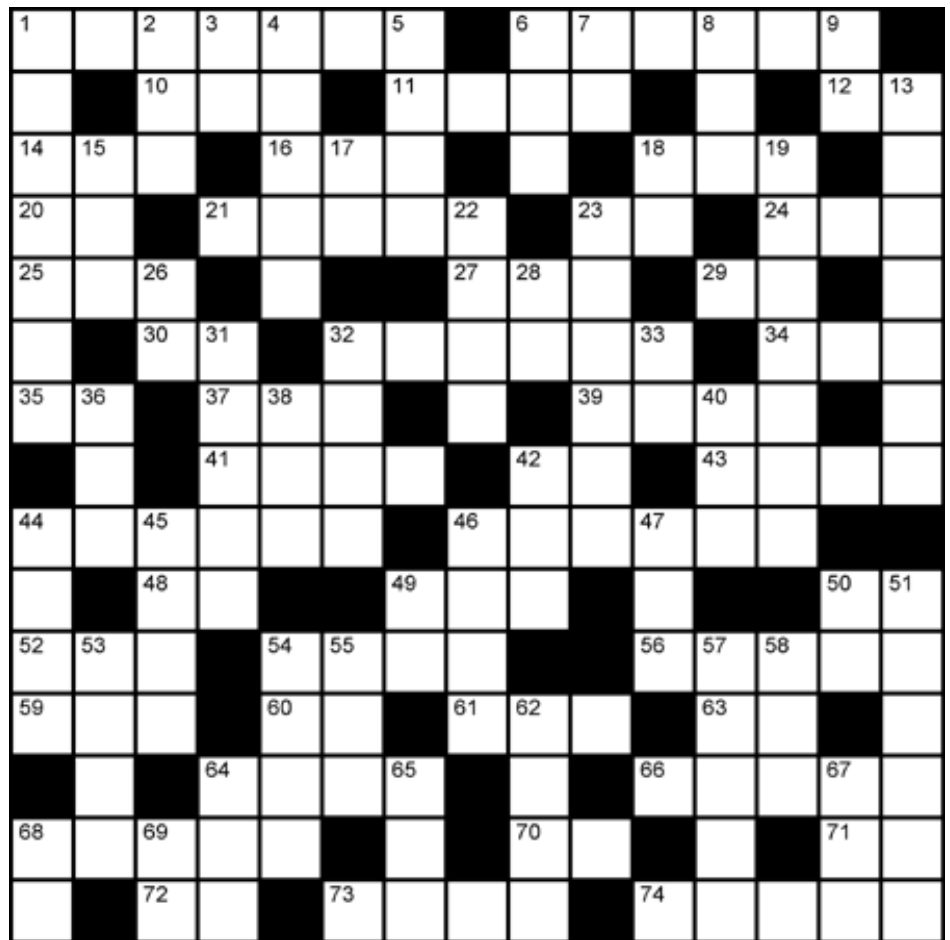
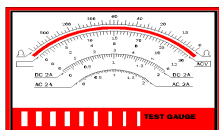
Scanning the Horizon

Many hams also use scanners to listen to local public safety agencies, airport activity, at the race track, or even to ham channels. Like ham radio, scanning has a lingo all its own, some of which overlaps a bit with ours. This puzzle dabbles a bit in the scanning world - can you sync up and track the clues? See next page....



Across

1. Distance between channels
6. W7 state with a trail named after it
10. Certification for awards (abbr.)
11. Unruly groups, such as in a pileup
12. Electromagnetic (abbr.)
14. Standard time (abbr.)
16. Manufacturer of digital voice modem
18. System of traffic nets (abbr.)
20. Vertical angle (abbr.)
21. Subaudible tone system (abbr.)
23. Trademarked synonym for 21 Across (abbr.)
24. Makes a nice battery with Lithium
25. Type of display (abbr.)
27. User (abbr.)
29. Often confused with FM (abbr.)
30. Next to
32. Makes a ducky antenna
34. The switch that speaks (abbr.)
35. Shortwave band (abbr.)
37. Surprised laughter
39. Large inland sea between UN and UJ
41. FET control element
42. Add 'E' to get a big solar disturbance
43. Equipment
44. Operate while moving
46. Communicate on two frequencies
48. Largest land continent (abbr.)
49. First digital logic family (abbr.)
50. Greek letter meaning 'micro'
52. Digital squelch system (abbr.)
54. Opposite of WBFM (abbr.)
56. Collection or team
59. Add 'IO' to get Old Macdonald
60. Collector current (abbr.)
61. Radio regulators (abbr.)
63. CW prosign for 'and'
64. Leave out
66. Standard for digital characters (abbr.)
68. Narrow filter
70. The band below AM broadcast (abbr.)
71. Add 'U' to get a coffee pot
72. Often confused with NH (abbr.)
73. The set of test questions
74. Antennas aligned vertically



Down

1. Circuit that mutes receiver audio
2. Keeps volume constant (abbr.)
3. Unit of volume (abbr.)
4. Really mad
5. Big brother to FRS
6. Official station that relays bulletins
7. Russian satellite prefix
8. Older term for 14 Across
9. One of the compass points
13. Listen to
15. Gentle attention (abbr.)
17. The watery continent (abbr.)
18. Postal code for VO1
19. Communicate on one frequency
22. Replacements (abbr.)
23. Increases sensitivity of a receiver
26. Logarithmic ratio (abbr.)
28. These carry information in an AM signal (abbr.)
31. Parasitic beams
32. Speed of digital bit transmission
33. Repeated roger (abbr.)
36. Swings with 'to'
38. Intelligent computer in 2001
40. Length of life
42. See you again (CW abbr.)
44. Type of modulation
45. Fixed station
46. Two-tone signalling standard
47. Periodic type of antenna
49. Frequencies higher than audio (abbr.)
50. Metal that shields magnetic fields
51. Radio path to the satellite
53. Italian goodbye
54. Highest energy rechargeable battery
55. Interference from broadcast stations (abbr.)
57. Start again
58. Signal source (abbr.)
62. Your radio ID
64. Base-8 (abbr.)
65. Binary base
67. Postage coupon (abbr.)
68. Where Lewis and Clark spent the winter (abbr.)
69. Idiot box (abbr.)



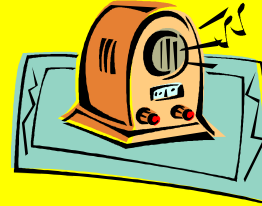
WESTERN PA SECTION HAMFEST UPDATE

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: <n3rqd@earthlink.net>
 Pittsburgh, PA - Northland Public Library - 300 Cumberland Road



**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:

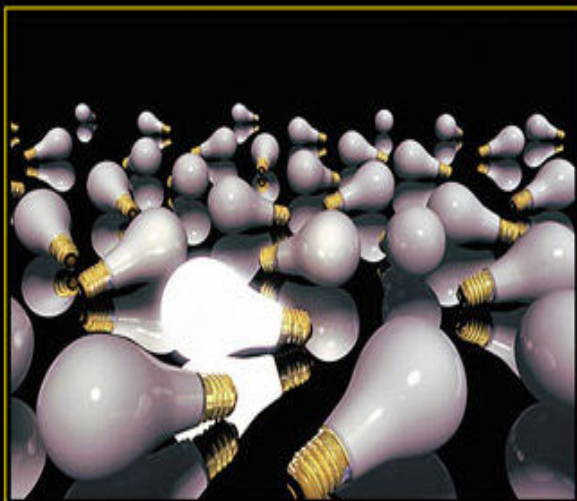
<http://groups.yahoo.com/group/eQRM/>

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.



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