



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 III, Issue 2

June 2009

Grant, KB3QFQ, Editor



# FIELD DAY 2009!

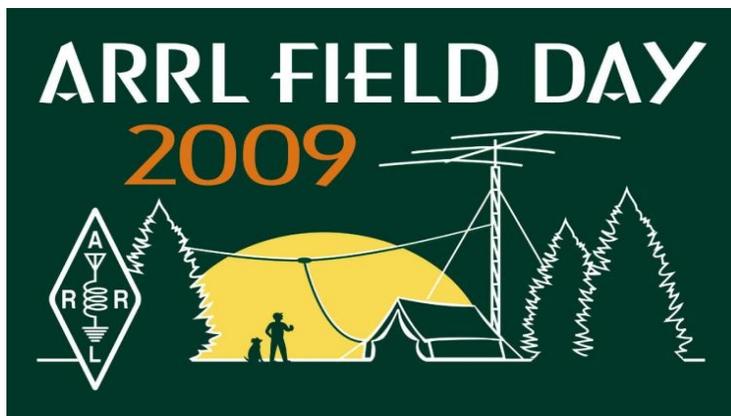
## WHAT IS FIELD DAY?

Where the spirit of “Amateur Radio Past” joins forces with the Next Generation of Innovations, Interests and Individuals!!! Field Day is the most popular on-the-air operating event in amateur radio. On the June 26-28, tens of thousands of amateur radio operators gather for a public demonstration of our service. Field Day is part educational event, part operating event, part public relations event – and ALL about FUN! Amateur radio is about knowledge and growth. It is a hobby and service that truly offers “something for everyone.”

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Amateur Radio embraces both the old and new. While CW may no longer be a testing element, it is still a strong and favorite operating mode for many. Tens of thousands of operators are embracing digital technologies, from RTTY to newer digital modes like PSK31 and Olivia. Phone operation, probably the largest segment of the hobby, also has new frontiers to be explored with digitized voice, VOIP, and IRLP. And this is why Field Day – the largest annual on-the-air operating event – is so exciting. It gives all – the old timer and the newcomer, the brass-pounder and the computer assisted operator – the chance to share and teach the broad range of modes and technologies we find in our hobby.



**For more information or to RSVP,  
 please contact Post Advisor Pam  
 Spencer, W3PMS, at 724-869-2429  
 or Post Field Day Chairman  
 George Caffro, N3HOJ, at  
 724-891-3236.**

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**Letters and Emails 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 every Thursday at Kings in Center Twp at 11:00 AM. All area amateurs are invited and encouraged to attend the Thursday Morning Lunch.**

**VE TESTS are held by the W5YI VE Team at the American Red Cross in Brighton Township, Beaver, PA. IF YOU DESIRE TO TAKE A TEST, CONTACT DALE, KE3SV, FOR THE DATE OF THE NEXT TEST SESSION.**

**Report time is 6:15 sharp, to fill out 605 forms and check I.D. Testing begins at 6:45 PM. Information and registration on a test session can be obtained by calling VE Team Coordinator, Dale Neely, KE3SV after 6PM.**

**His address and phone number are as follows:**

**Dale R. Neely Jr., KE3SV  
444 Center St.  
Zelienople, Pa. 16063  
Phone: 724-452-3247**

**2009 BVARA  
Officers & Directors**

- President: Jack Spencer, KZ3Z**
- First Vice President: Robert De Marco, WA3ZRM**
- Second Vice President: Evan Finkelstein, KB3QFR**
- Secretary: Norm Trunick, K3NJT**
- Treasurer: Pam Spencer, W3PMS**
- Director: George Caffro, N3HOJ**
- Director: Chris Moratis, W3OUF**
- Trustee: Dick Hanna, K3VVY**



**ROSSI WINERY  
WIRELESS SOCIETY**



All area Amateur Radio Operators are invited to attend the weekly meeting of the Rossi Winery Wireless Society. The Society meets every Saturday evening at the Winery located in beautiful West Aliquippa. The meeting begins at 6:30 PM with a traditional vino toast followed by homemade Italian foods! The Winery is located on Main Avenue in the heart of West Aliquippa's Cultural & Historic District. Talk-in is on the ,31 repeater.



**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).

## Sisters Among Youngest Hams in Pennsylvania

by Kate Alexander from [Herald Mail](#)

They say the average ham radio operator is a 59-year-old man. A quick inventory of the Cumberland Valley Amateur Radio Club and that assessment appears spot on. But look again.

In the corner, with their feet barely reaching the floor, are two young girls who recently have defied the stereotype by becoming two of the youngest licensed “hams” in the state of Pennsylvania.

On international air space, they are KB3SSN and KB3SSM. In person, they are 7-year-old Veronica Latham and 8-year-old Victoria Latham of Shippensburg, Pa. The girls officially have been on the air for a few weeks, but their parents, both licensed operators, have made radio a part of the girls’ lives since birth.

Their father, Shannon Latham, or W3SML, took up the hobby of talking on the radio when he was 13. “My grandfather was a Signal Corps radio operator in World War II and my father always dreamed of getting his amateur radio license,” he said. “One day, I discovered his old books and equipment, and I guess you could say I caught the bug.”

Latham graciously has passed the bug around to his wife Rachel (KB3RNP) and his two daughters, who are proud to be in the minority. Only about 15 percent of ham radio operators in the U.S. are females, according to the Amateur Radio Relay League.

Becoming a licensed operator is not easy, said D. Daniel McGlothin, or KB3MUN. Operators must pass a test issued by the Federal Communications Commission (FCC) to use the air space. McGlothin said the test consists of 35 questions and can be challenging as it covers both the theory of ham radio operation and the regulations set by the FCC.

“The test was hard,” said Veronica, admitting she had to take it twice. Shannon Latham said he is proud his daughters took up the hobby, so proud he came home

every day at lunch for five months to help them study for their license.

Even though they have to leave their radios at home when they go to school, the girls said they are enjoying talking to people across the world and can’t wait to participate in the

club’s many charity events, especially the 24-hour Field Day in late June, when operators set up in a field and practice transmitting messages.

Unlike the worry that clouds the minds of parents as their children surf the Internet, Twittering or chatting on Facebook, Shannon Latham said he is confident his girls are safe when they are on the radio. “Ham conversations can be monitored by anyone on that frequency,” he said. “They are safer getting on the radio than getting on the Internet.”

While each ham take up the hobby for a different reason, McGlothin said the hobby still has practical uses. Ham radios can operate when power is out, satellites are down and cellular signals fade, so emergency personnel often rely on assistance from local hams in times of crisis, he said.

Amateur radio also cuts across the spectrum of society, Shannon Latham said. “It is not just for rich men,” he said. “It is for people of any economic standing, gender, as you can see by my girls, or race. On the air, we are not different. We are just people.”



## THE HAM'S HOROSCOPE

BY MADAM ZELDA, S T IARS

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					

## A Radial Plate for Cheapskates

by Bill Savage, K3AN from [eHam](#)

A well-known ham antenna manufacturer sells a stainless steel plate that's designed to mount to a vertical antenna's support mast and provide connections for at least 60 ground radials. It appears to be a well-made product and has gotten good reviews here on eHam.

However it's rather expensive and considerable overkill for my Inverted-L installation, so I set out to look for something that could serve the same purpose at a lower cost. What I ultimately found is remarkably cheap, and should meet the needs of anyone who doesn't have the time, real estate, or inclination to put down more than 30 ground radials.

What is it? It's nothing more than a replacement kitchen sink strainer that you can buy at Home Depot or Lowe's for about \$2.00. It's made from stainless steel and is "pre-drilled" for 10-24 size screws. You can readily install ten screws and nuts in the outermost ring of holes, and another five in the next ring. Install two solder or crimp-type terminal lugs under each nut and there's your 30-radial capacity. Furthermore, as shown in the photo, the strainer's center hole is large enough to fit over a copper-clad ground rod. You just have to remove the rubber stopper and pull out the metal center stem.

In my installation, each screw is fastened to the strainer with a compression lockwasher and nut. Then the radial lugs are placed over the nut and secured by a second nut. To prevent "galling" or seizing up of the stainless hardware, I placed Noalox grease on the screw threads. I also placed some grease on the flat surfaces of the lugs. Home Depot and Lowe's carry Noalox in the electrical section.

Depending on how many sets of stainless hardware you buy, the total cost for the strainer, the stainless steel screws, nuts and washers, and a small tube of Noalox will be under \$10 to maybe as much as \$16. For that price there's no excuse for not sprucing up (and adding to) your vertical's radial system.

**CONTINUED ON PAGE 7...**



**STUDY GUIDES  
TO BE USED IN  
UPCOMING  
BVARA  
LICENSE  
CLASSES**

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	
		Subtotal: _____
ARRL MEMBER ?    YES    NO		Donation: _____
		Total: _____

Your License Class (if any):

<input type="checkbox"/> Novice	Name _____
<input type="checkbox"/> Technician	Address _____
<input type="checkbox"/> General	_____
<input type="checkbox"/> Advanced	_____
<input type="checkbox"/> Extra	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

Technician Class—*The No-Nonsense, No-Code Technician Class License Study Guide* is based on a method developed by Bruce W8BBS. What he did for the earlier question pool is to rephrase each question in the form of a statement and then organize the statements to make them readable. Bruce was unable to update his manual for the question pool that went into effect in July 2006, so he gave us permission to do it.

General Class—*The No-Nonsense, General Class License Study Guide*. This is the study guide for those taking the General Class license exam after July 1, 2007. It follows the same format as the Technician Class Study Guide. Note, though, that there are more questions in this pool, and in general, the questions are more technical than the Tech Class, so be prepared to study longer and harder than you did for the Tech test. Visit: <http://kb6nu.com/techmanual/> for more info on these guides.

**A BIG THANK YOU!**

**To the family of Donald McMurdy, WB3AIF  
for the donation of the IC-765 and Drake TR-4C  
and to  
George, NN3J for the donation of the Yaesu FT101ZD**

# Beaver Valley Amateur Radio Association Field Day Agenda

**SITE COORDINATOR – George Caffro, N3HOJ - 724-891-3236**

**FOOD COORDINATOR – Pam Spencer, W3PMS - 724-869-2429**

**EXPLORER COORDINATOR – Bob De Marco, WA3ZRM – 724-378-7070**

## Friday June 26

### **18:00 UTC/2:00 PM - FIELD DAY SET-UP BEGINS**

All campers and operators may begin to set-up campsites and stations.

All campers and operators must check-in with the Field Day Site Coordinator, George, N3HOJ, at the main pavilion for location assignment prior to set-up.

**All campers and operators must be set-up before 18:00 UTC/2:00 PM on Saturday, June 27, 2009.**

### **22:00 UTC/6:00 PM - COVER DISH DINNER**

Everyone attending Field Day is invited and encouraged to attend the Beaver Valley Amateur Radio Association's (BVARA) traditional Cover Dish Dinner. In order to attend, you must bring a Cover Dish that can feed at least 6 to 8 people. Examples of Covered Dishes include: salads; soup/chili; fruits; chips, pretzels and dips; desserts... lots and lots of desserts!!! Rumor has it that Norm, K3NJT will even be bringing his famous cookies!

**The BVARA provides Hamburgers, Hotdogs, Buns, Condiments; Paper/Plastic Ware; and, Beverages.**

*NOTE: YOUR COVER DISH WILL REMAIN AT THE PAVILION UNTIL 18:00 UTC/2:00 PM, SUNDAY JUNE 28. LEFTOVERS ARE USED TO FEED OPERATORS AND VISITORS OVER FIELD DAY WEEKEND. Please plan accordingly and make arrangements with Pam, W3PMS, for your storage container needs and/or returns.*

### **23:00 UTC/7:00 PM**

#### **BUSINESS MEETING & EXPLORER POST 73 OPEN HOUSE**

A brief business meeting and 50/50 Raffle will be held. A presentation will then be made by BVARA Explorer Post members about Post meetings, activities and projects.

### **01:00 UTC/9:00 PM - CAMPFIRE**

This time will be used to answer your questions about Scouting, Exploring and Amateur Radio.

## Saturday, June 27

11:00 to 13:00 UTC/7:00 AM to 9:00 AM Breakfast

Meet at the pavilion.

**14:00 to 15:00 UTC/10:00 AM to 11:00 AM – Merit Badge Workshops**

**15:00 to 16:00 UTC/11:00 AM to 12:00 PM – Merit Badge Workshops**

**16:00 to 17:00 UTC/12:00 PM to 1:00 PM – LUNCH**

**17:00 to 18:00 UTC/1:00 PM to 2:00 PM – Merit Badge Workshops**

**18:00 UTC/2:00 PM – FIELD DAY CONTACTS BEGIN!**

**18:00 to 19:00 UTC/2:00 PM TO 3:00 PM – Merit Badge Workshops**

**01:00 UTC/9:00 PM - CAMPFIRE II**

This time will be used to answer your questions about Scouting, Exploring and Amateur Radio.

## **Sunday, June 28**

**11:00 to 13:00 UTC/7:00 AM to 9:00 AM – Breakfast**

**18:00 UTC/2:00 PM – FIELD DAY CONTACTS END!**

**18:00 UTC/2:00 PM – FIELD DAY CLOSING AWARDS, RAFFLE & PRIZES!**



### **Special Field Day Fees**

Field Day is a **FREE** event that is open to the general public. While at the event, you may decide to join Post 73, or earn a merit badge.

Here are the fees for each of these items:

**POST 73 Six Month Membership \$10.00**

**Radio Merit Badge Materials Fee \$5.00**

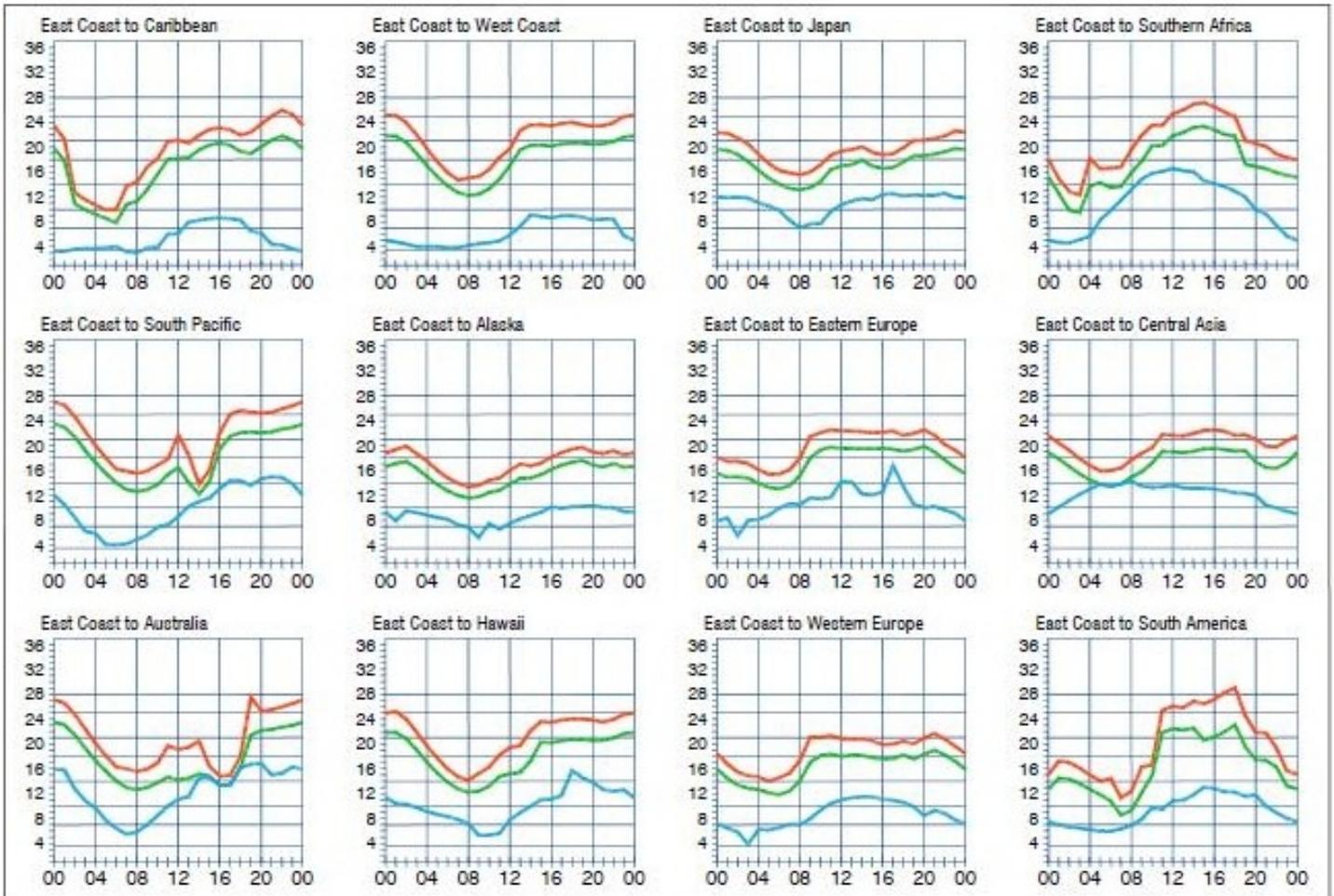
**IF YOU ARE A MEMBER OF BOY SCOUT TROOP 405 OR EXPLORER POST 73,**  
**YOU ARE NOT REQUIRED TO BRING FOOD, but the**  
**COST FOR THE WEEKEND WILL BE \$10.00 plus Merit Badge fees.**  
**THIS IS TO COVER THE FOOD COST.**

### **A Radial Plate...** Continued from page 4



**A photo of the radial plate (above)**

# QST Propagation Charts



When are the bands open? These charts, generated using CAPman, show probabilities for average HF propagation in the month of June 2009 for the paths indicated. The horizontal axes show Coordinated Universal Time (UTC), and the vertical axes frequency in MHz. On 10% of the days of this period, the highest frequencies propagated will be at least as high as the upper red curves (HPF, highest possible frequency) and on 50% of the days they will be at least as high as the green curves (MUF, classical maximum usable frequency). The blue curves show the lowest usable frequency (LUF) for a 1500-W CW transmitter. For SSB or a lower transmitter power, the LUF will be somewhat higher than the blue curves indicate. See Oct 1994 QST, pp 27-30, and Feb 1995 QST, pp 34-36, for more details. The predictions assume an observed 2800-MHz solar flux value of 87. This is a Low level of solar activity. See the detailed propagation tables on The ARRL Antenna Book CD-ROM.

The above chart is for the month of June.

FOR INFORMATION ON HOW TO READ THESE CHARTS, [CLICK HERE](#)

**Beaver County**

SPECIAL SERVICE CLUB

Authenticity Guaranteed **eQSL**

**W3SGJ**

Beaver Valley Amateur Radio Association  
P.O. Box 424  
South Heights, PA 15081, USA

ITU 8, CQ 5, Grid EN90ur, Beaver County

## How I've Got My Ham Radio Hobby Back by Trippy Brown, WD8OEP, from [eHam](#)

“Qrz, is the frequency in use?” I asked, then unkeyed the transmitter. I heard nothing so, I gave a cq call on 20 meters.

First time, no response back. So, I sent another cq call and unkeyed the transmitter. I wondered, “is this thing even getting out?”

Then, to my amazement, I heard, visky delta 8, Oscar echo papa, these is victor united 3 victor quebec



united, you copy?” Did I copy him? He was 5 and 9, plus, and no qrm, no qsb either! I had worked my first dx qso from India! Never worked India since I got my ticket in 1977! His name, Mrinal, and his qth, Calcutta!

Folks, I was in ham radio nirvana! Where did I do this wonderful qso at? On something that many hams say is not radio, but for people who live where they can't have any hf antennas up, or, for people going mobile or portable using a laptop computer, and who have an internet connection, either through dialup, broadband, or wireless, it sure is to all of us, and that place? Cq100, of course!

In a time when HF band conditions are absolutely horrible, and folks are getting out of our glorious hobby because of it, and in a time when folks are sick and tired of talking local on 2 meters, and in a time when band conditions on hf are so bad, with contesters not being able to hear each other, and still wanting to participate in contests, I, this ham who lives in an apartment building where I have tried every HF antenna known to mankind and none of them worked, was now sitting here, working the world!

I could have sent him a qsl card and gotten one back, but I don't get into qsl cards. I also participated in the Michigan qso party, and worked 7 contacts, 1 after the other, too! I also worked the cqmq international dx contest, the weekend of May 10, and made 24 qs in that contest!

So much for not being able to participate in contesting

any more, now I could again!

Cq100 is a wonderful program that lets licensed hams use their desktop, or laptop computer as an hf rig, virtually! You read that right. Folks, I don't have to worry about sunspots, or band conditions being terrible. They never are! qrm? It never exists, because of digital tuning. Every time you press the right or left arrow key, you go up or down 1 kc at a time, and if there is a station a kc below or above you, you don't hear that station! So much for splatter! As a contestster, I can contest all I want, and I don't cause interference to any other station, because of that same digital tuning, because stations above me or below me cannot hear me, so no splatter, so interference from conteststers is not a problem, so folks can have their qsos or run nets.

On old fashion HF, people can't hear stations because of powerful stronger stations below or above them, whereas on cq100, I don't have problems with stronger stations splattering me so I can't hear the other station (or stations), that I'm talking with.

Qsb? What qsb. No stations fade on my receiver, none at all!

Oh, and let's talk about fluttering signals, like happens on old fashioned HF. On cq100, there is no such thing as fluttering signals that you can't hear when auroral propagation happens, because cq100 is not affected by any propogation problems, like auroras, sunspot cycles, etc.

**I wondered,  
“is this thing even getting out?”**

So, if you haven't tried cq100, please, do me a favor, go and try it, and you'll be hooked like I am! I'm not getting paid for this article either, but I know a good thing when I use it!

Now I've been a ham, who is an avid contestster, and rag chewer, since 1977, and to be honest, I was going to let my license expire this time. I couldn't work hf, and that's my bread and butter, that's where I have all

**CONTINUED ON PAGE 10...**

## How I've Got My Ham Radio Hobby Back continued from page 9

my fun! I was going to sell all my equipment and just get out of the hobby.

Then, a ham told me about cq100. So, I thought to myself, what do I have to lose? If it doesn't work, I'll just get out of the hobby, no big deal. So, I went [here](#) then I downloaded and installed it on my windows xp laptop. Now I'm a blind ham, so, I had to find a work around because my screen reader, (the piece of software that reads the screen to me), wouldn't read the checkbox to accept the license agreement. But then, another blind friend of mine who is a computer geek, more than I am, told me how to check the box and agree to it, using some key strokes I didn't know about!

So, I installed it, and since I already had an account set up with Doug, ve3efc, the inventor and author of cq100, I clicked on the cq100 icon on my desktop, and a box came up for me to type my password. It knew my call sign already, since Doug strictly enforces the rule that hams must send a copy of their license to him, or they don't get to use the software.

So, I made that cq call on 20 meters, and I began a qso with my new Indian ham friend!

It's even better than echo link, because of no ports or routers to configure. You just go to the web site, set up your account, then download and install it, and you're up and running with a free trial for 3 months! If you like it, it's \$32 a year, that's it! Anyway, back to my qso with vu3vqu! We had about a 30 minute qso. Then, in the middle of it, another ham, kb8rwi, Mike in Cadillac, Michigan, broke in, so, now we had a round table!

But Trippy, people say, this isn't real hf, you don't have an antenna up! Oh I know that, and I also don't have any swr issues, and I don't have to worry about tuning rigs, and I don't have to worry about tubes blowing up on old rigs, and I don't worry about weather problems causing my antenna to blow down, or wet connections, making my swr go through the roof, either!

Yes, my friends, that's the joy of it. Now, I can just be a ham and have my contesting or rag chewing fun, and

none of those above things to worry about!

Yes, I've got my ham radio hobby back, and now, I can say, I am in it to stay! I can go mobile, or portable, too. Right now though, I've been using it from my home location. So, if you testers are looking for a place to make your qs, there it is!

You rag chewers out there, if you're tired of qrm and qsb and bad band conditions, download and install the cq100 software, you'll be saying, "man, I got my hobby back!"

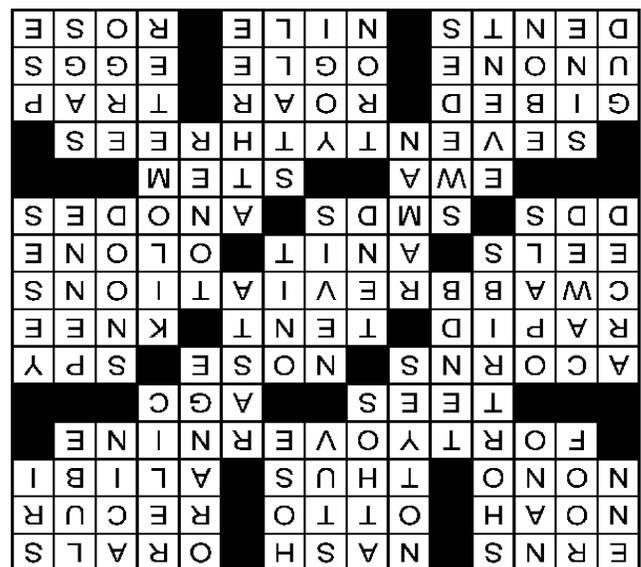
There are over 200,000 hams who use it, world wide, and now it's heading toward 300,000!

Now that I've got my contesting fever again, I subscribed to Bruce Horn's contest calendar, which you can get via email. Bruce, wa7bnm, is an avid tester, like myself.

Now that I had my hobby back, I couldn't wait to fire up my computer and get on the hf bands, and my first chance would come April 18, 2009, working the Michigan qso party. I absolutely love that contest!

So, on Saturday evening, I fired up the laptop, and went on 20 meters. I worked 7 stations in a row! These folks were new to contesting, but they wanted to learn,

**CONTINUED ON PAGE 14...**



# CROSSWORD PUZZLE - "RADIOGRAMMAR"

On the air, hams have a way with words. Just not the way everyone else is used to.  
from the [ARRL website](#)

1	2	3	4		5	6	7	8		9	10	11	12	13
14					15					16				
17					18					19				
	20			21						22				
			23						24					
25	26	27					28	29				30	31	32
33						34					35			
36					37					38				
39					40					41				
42				43						44				
			45					46						
	47	48				49	50					51	52	
53						54					55			56
57						58					59			
60						61					62			

**Down**

- 1. FB RST., in the DX test, say
- 2. Easy antenna place
- 3. Smaller than a micro
- 4. Popular beef cuts
- 5. Meaning of 17-across
- 6. Monk Apollo's QTH
- 7. R followers
- 8. Nozzle site
- 9. Three on a resistor
- 10. Museum piece
- 11. Label on a DC supply, say
- 12. Garage job
- 13. Apologize, on 30m, say
- 21. Big gain
- 22. Bob Marley fan
- 25. Flashed over
- 26. Crowded
- 27. Milky gems
- 28. V4 place
- 29. "Put a lid \_\_\_\_!"
- 30. Hair net
- 31. Edible tubes
- 32. C C, on 7007, say
- 34. Be inclined
- 35. KM, on 7.007, say
- 37. VU physicist and Nobel Prize winner
- 38. Copier stuff
- 43. SM ops
- 44. AM
- 45. Special \_\_\_\_\_ station
- 46. Play for time
- 47. Kind of wave
- 48. Like some piano keys
- 49. High-tech suffix
- 50. Cartoon bear
- 51. Start of a conclusion
- 52. What a long element does
- 53. Not bad, on 7.007, say
- 56. Word with QSL

**Across**

- 1. Sea eagles
- 5. 1950s car maker
- 9. Face-to-face exams
- 14. Ham's OM
- 15. Director Preminger
- 16. Come again
- 17. N N, on 7.007, say
- 18. Start of a conclusion
- 19. It might be airtight
- 20. Four and four ninths?
- 23. Coax adapters
- 24. Rcvr ckt
- 25. Squirrel food
- 28. KH6IJ (SK)
- 30. Smart or Bond
- 33. QRS sending, not
- 34. FD abode
- 35. Joint with a cap
- 36. 1, 13, 53 and 56-down, and a puzzle sub-theme

- 39. Swimming power supplies?
- 40. Bit of trivia, slangily
- 41. A Czech Republic prefix
- 42. Driller's deg.
- 43. Tiny parts
- 44. Plates
- 45. W7 sect.
- 46. Flower tower?
- 47. Two-hundred ten?
- 53. Jeered
- 54. Surf sound
- 55. TA-33 part
- 57. Kazakhstan prefix
- 58. Gawk at
- 59. Dipole terminators
- 60. Dings
- 61. SU river
- 62. Compass symbol

# HAMS LOVE TO EAT!

## Recipe of the Month: CHOCOLATE CAKE

### Ingredients

1-2/3 cups/400 mL all-purpose flour  
 1 cup/250 mL sugar  
 1/3 cup/80 mL Baking Cocoa  
 1 tsp/5 mL baking soda  
 1/4 tsp/1.2 mL salt  
 1 cup/250 mL nonfat buttermilk or sour milk  
 1/4 cup/60 mL vegetable oil  
 1 tsp/5 mL Original Double-Strength Vanilla

1/2 tsp/2.5 mL Chocolate Extract  
 1/2 tsp/2.5 mL Butter Extract

### Chocolate Icing

1-1/2 tbsp/25 mL Baking Cocoa  
 1 tbsp/15 mL hot water  
 1/2 cup/125 mL powdered sugar

### Cooking Directions

Preheat oven to 375°F/190°C. Combine flour, sugar, cocoa, soda, and salt; mix well and make a well in center.

In measuring cup, combine buttermilk, oil, and flavorings. Add to dry mixture; stir just until smooth. Spoon batter into one 9-inch/23-cm round cake pan coated with no-stick cooking spray. Bake for 20 minutes or until cake tests done. Remove to wire rack and let cool in pan 10 minutes. Remove from pan and cool completely.

Top with icing (recipe below). Makes 12 servings.

### Chocolate Icing

Combine all ingredients; mix well. Spread on top of cooled cake.



This recipe is brought to you by Watkins  
[watkinsonline.com/w3sgj](http://watkinsonline.com/w3sgj)



Just think of all the products you currently use that can be replaced with Watkins products. By switching to Watkins' superior quality and value, you'll be **saving money** on your monthly essentials and **supporting your favorite organization**.

***The BVARA receives 16 to 35% of ALL SALES MADE THROUGH THIS SITE!***

If you buy flavorings, spices, salt, cooking oil, soup, desserts, dip mixes, moisturizers, lip balms, room fresheners, glass cleaners, cough medicines, dietary supplements, laundry detergents, or anything similar, head over to [www.watkinsonline.com/w3sgj](http://www.watkinsonline.com/w3sgj) and make the switch to Watkins today!

**Amateur Radio Technician License Class**  
Every Wednesday evening at 6:00 PM  
at the Baden Legion, Baden PA  
**STARTING AGAIN THIS FALL!**  
**REGISTER BY CONTACTING JACK SPENCER, KZ3Z.**

**Post 73, Troop 405, and the BVARA operated a station at the Baden Legion for ARMAD on June 23. Thanks to everyone that was there!**

Amateur Radio Station W3SGJ AMRAD Operation May 23 2009

The station will be operated from 9AM to 1PM EDST 23May2009

Control Operators

KZ3Z

Spencer Jr, Alton J, KZ3Z (Extra)  
322 Camilla St  
Baden, PA 15005

WA3ZRM

DE MARCO, ROBERT J, WA3ZRM (Extra)  
237 MAIN AVENUE  
WEST ALIQUIPPA, PA 15001

W3OUF

Moratis, Christy J, W3OUF (Extra)  
1199 Highland Ave  
Ambridge, PA 15003

K3NJT

Trunick, Norman J, K3NJT (Technician)  
651 Riverview Rd  
Freedom, PA 15042



Control Operators are reminded that while they are in control of the station they may not operate or allow operation beyond the privileges granted by their license, per 47cfr97.105(b).

J. Richard Hanna, K3VYY  
Trustee.

## How I've Got My Ham Radio Hobby Back continued from page 10

so, I told them about the contest, and they gave me the exchange that I needed! I worked 3 states, and 2 dx countries that night!

The West Virginia station told me, "I'm going to have to use this when our qso party comes up in June." I worked a station in California, who told me he was a contester, and would use it to work the California qso party in October.

**"My antenna is**

Now, I can't wait to get Bruce's emailed contest calendar each week, because now, I will be able to work different contests I'm interested in!

More and more hams will not be able to put up antennas, because we're all getting older now, and apartment buildings and condos, and nursing homes don't let you put them up. But now, every ham has an hf alternative.

With cq100, you can run phone, cw, and psk31.

I've worked the world, and had many qsos and many round tables!

I have no antenna problems any more, and I get on hf any time I feel like! Oh, is it liberating!

I can work 10, 15, 20, 40, 75, and 80 meters!

My antenna is the Internet, and by the way, any of you folks out there having TVI problems? I have no more TVI problems with neighbors!

I don't have problems hearing stations through static crashes, as well!

I can work HF anytime and anywhere, that I want!

**the internet...."**

In a time when our ham radio hobby is declining, and young people like computers and voice chat, more

than putting up antennas for hf, and all the problems we hams face, such as antenna restrictions, etc., let's give these youngsters something about ham radio they can relate too, and they can relate to computers and the internet, right?

You can even use vox, or ptt, your choice!

For cw, cq100 lets you use your keyer, a straight key, or the built in keyboard on your computer, to send anywhere from 5 to 100 words per minute!

So, if you're a contester, I hope to work you, real soon, on the hf bands. If you're a rag chewer, I hope to have a nice qso with you, very soon!

Where will I be contesting and rag chewing in my shack? I'll be doing it on cq100!

73, and I'll see you on the air, real soon!

