

THE eQRM



BVARA participates in the
Tri-State Antique Radio Club Radio Fest

May 2015

THE eQRM

On the Cover : The BVARA participated in the Tri-State Radio Fest Sunday May 3,2015 by purchasing a table and promoting our club at the event . The picture was taken by the Antique Radio Club photographer for their newsletter. We graciously thank him for sending us a copy for our newsletter too. (left to right : Pam Spencer W3PMS, Rich Soltesz K3SOM, Jack Spencer KZ3Z)

3 - 9
Bulletins
Hamfests and general
announcements

14 & 15
Who We Are
Club officers, meetings and
membership information

10 & 11
This Month
VE testing, Breakfast

16
On Air

12
Propagation Charts
Propagation charts for
the East Coast

17
Bits and Pieces
interesting extras

13
VE Test Results
New Hams and Upgrades

20 & 21
For Sale
Used equipment

And more

CHECK IN TO THE NETS

Wednesday 2 Meter
8:30PM on 145.310 MHz

Wednesday 10 Meter
9:00PM on 28.470 MHz

The eQRM is a publication of the Beaver Valley Amateur Radio Association (BVARA) and is Copyright 2010 - 2015. All material presented in this publication is not necessarily the views of the American Radio Relay League (ARRL), BVARA, or members of the said organizations. If you would like to contact the editor of the eQRM, please email David at kc3bxc.73@gmail.com. Please visit us online at www.W3SGJ.org. To subscribe to our newsletter, please visit W3SGJ.org/newsletter.php

61st Annual

Largest Hamfest in the Tri-State Area

BreezeShooters

THIS IS AN ARRL SANCTIONED HAMFEST

2015 HAMFEST and COMPUTER SHOW

Web Site <http://www.breezeshooters.org>

Email: hamfest2015@breezeshooters.org

General Hamfest Chairman: **Bob Benna N3LWP (412) 366-0488**

BUTLER FARM SHOW GROUNDS Sunday June 7, 2015 * 8am to 3pm

Indoor tables on first come first serve basis. **\$20.00 per 8' table** and may be reserved by contacting Bob Benna, N3LWP (412) 366-0488 or mail to: P.O. Box 101018; Pittsburgh, PA 15237 - Table reservation **Cut-off Date May 30th**

Main Prize Drawing :

- | | |
|---|---|
| 1st Yaesu FT DX 3000 | 8th Eagle One Antenna |
| 2nd Kenwood TS-590 | 9th Heil Pro set Elite |
| 3rd Icom ID880 | 10th Signal link |
| 4th Rig Expert AA54 Digital Antenna Analyzer | 11th \$100 cash |
| 5th Elecraft W2 Watt meter kit | 12th Coaxial prep kit |
| 6th LDG-AT-100 Pro 2 Antenna Tuner | 13th 10 meter IMAX 2000 |
| 7th \$200 Cash | 14th \$50 Cash Prize |

6 Hourly prizes based on Admission tickets

Drone Drawing

These tickets will be available at local hamfests prior to the Breezeshooters Hamfest. Check Breezeshooters.org for locations.

Winners need not be present for Main, or Drone Drawing- **Main Prize Drawing at 3:00 pm** - All prizes subject change due to availability

Icom, Yaesu, Kenwood & MFJ prizes from K JI Electronics

Admission \$ 5.00 donation per person, (Age 12 and over)

Tailgate/Flea Market spaces available \$ 10.00 for first space \$5 for each additional space

Farm Show Grounds open at 5:00pm Saturday June 6, 2015 for Vendor and Tailgater setup

Bulletins Hamfests & General Announcements

Breeze Shooters Hamfest and Computer Show

06/07/2015

Location: Butler Farm Showgrounds
627 Evans City Road
Butler, PA 16001

Website: <http://www.breezeshooters.net>

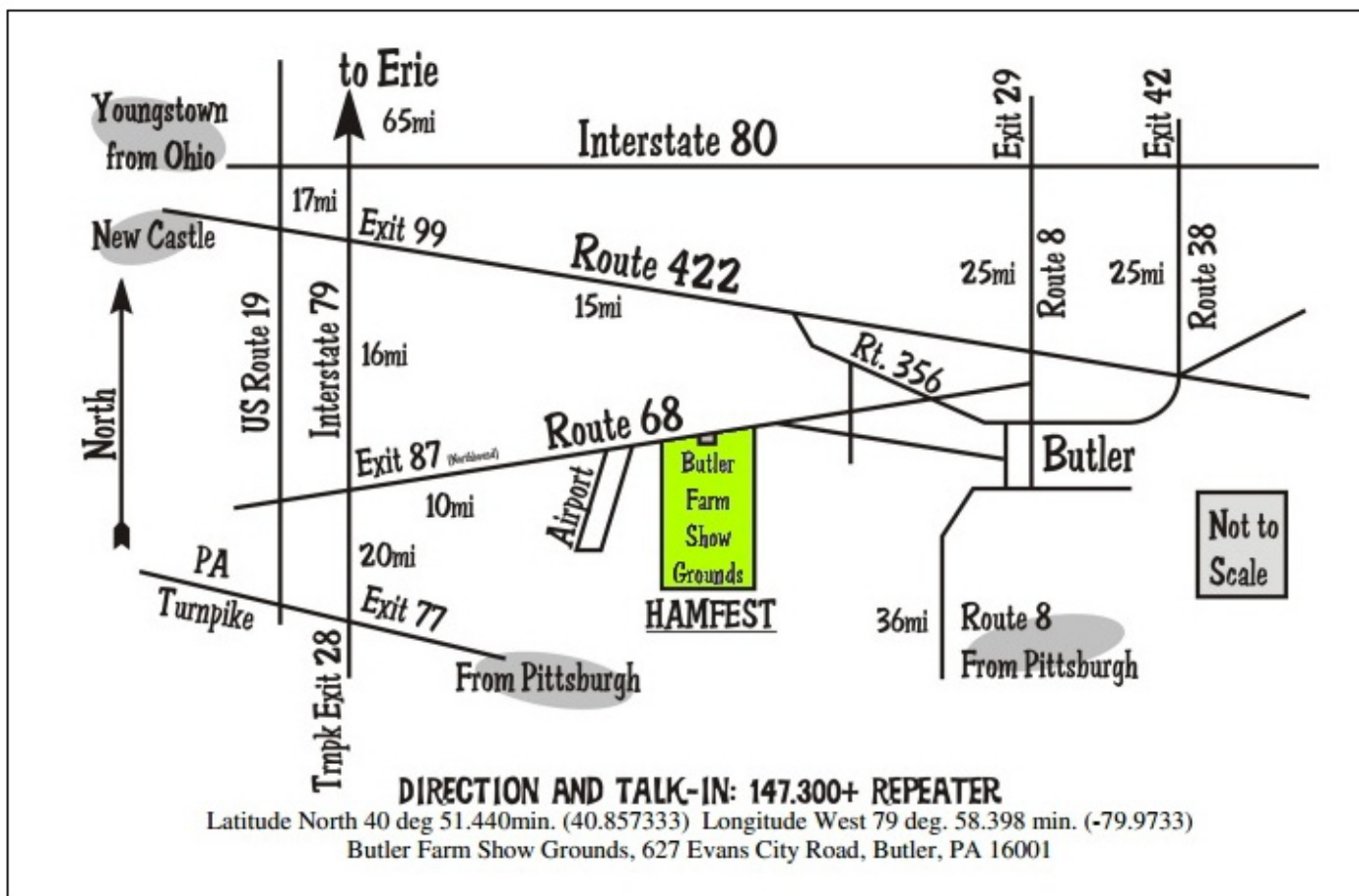
Sponsor: Breeze Shooters ARC

Type: ARRL Hamfest

Talk-In: 147.300+

Public Contact: Robert Benna , N3LWP
1010 Willow Drive Pittsburgh, PA 15237

Phone: 412-366-0488



Dayton Hamvention May 15 - 17 2015



Where it all started...

Since 1952 Hamvention® has been sponsored by Dayton Amateur Radio Association (DARA). For many years it has been the world's largest amateur radio gathering, attracting hams from throughout the globe. About 1950, John Willig, W8ACE, had asked the Dayton Amateur Radio Association to sponsor a HAM Convention but was turned down. John wanted to have a quality affair. Speakers and prizes would be a drawing point. John finally found a champion in Frank Schwab, W8YCP (W8OK), the newly elected president of the club. A meeting was held and the DARA Board allocated \$100 to get started. The first organizational meeting was held in January 1952. The Southwestern Ohio Ham-vention was born. The first committee consisted of: John Willig, W8ACE, General Chairman Al Dinsmore, W8AUN, Arrangements Bob Siff, W8QDI (K4AMG), Prizes and Exhibits Frank Schwab, W8YCP (W8OK), Publicity Bob Montgomery, W8CUJ, Finance Clem Wolford, W8ENH, Program Ellie Haburton, W8GJP (W4ZVW), Women's Committee. The next year the name became "Dayton Hamvention®" and was registered as a trademark. April was determined to be the best time but the Biltmore Hotel, in downtown Dayton was booked. March 22 was the chosen date, causing a short lead time. How far did \$100 go? Not far! A 12 TV was raffled off to help raise funds. The FCC agreed to give license exams and Phil Rand, W1BDM, a pioneer in TVI elimination was on the program. First prize, a Collins 75A2, was purchased locally. Hoping for 300 visitors, the committee was amazed that over 600 showed up! There were 7 exhibitors and 6 forums. The ladies program was successful with a luncheon at the Biltmore and a trip to a local TV station. In 1955 the Awards Program began with the "Amateur of the Year." The Flea Market has grown from 200 to more than 2000 spaces. In 1964 the Hamvention® moved to Hara Arena. Shuttle buses and handicapped parking were added in 1969. In 1973 it became a 2 day event with Sundays added in 1974. The program has grown to a "Souvenir Program" and in 1976 the dimensions changed from 6 x 9 to the current 8-1/2 x 11. The growth of the Dayton Hamvention® can be attributed to caring, energetic people who enjoy being on a winning team.

Bulletins Hamfests & General Announcements

Dayton Hamvention - Forum Schedule - Friday, 15 May - Version 1.3 (As of 23 April)

For more information, visit <http://hamvention.org>

	Room 1	Room 2	Room 3	Room 5
915	TAPR	Homeland Security Training	SATERN's Disaster Response Role	QRP Challenge
930				
945				
1000				
1015				
1030		The Evolution of Radio Through the Ages	Instructors' Forum	IOS & Android Rig Control
1045				
1100				
1115	APRS			Kit Building Techniques For Success
1130				
1145		Balloon Sat	Hams in Space	Techniques of Best Operators
1200				
1215	D-Star		Foxhunt / ARDF	YL Forum
1230				
1245				
100		Ham Radio and the Law: Getting Antennas Up and Keeping Them Up	Advances in Software Defined Radio	Introduction to Digital Mobile Radio (DMR) and the Amateur Radio DMR Networks
115				
130				
145	Antenna Forum			
200				
215	County Hunting			
230				
245				
300				
315				
330				
345				
400				
415				
430				
445				
500				

Bulletins Hamfests & General Announcements

Dayton Hamvention - Forum Schedule - Saturday, 16 May - Version 1.3 (As of 23 April)

For more information, visit <http://hamvention.org>

	Room 1	Room 2	Room 3	Room 5
915	Drake Equipment	2015 Youth Forum	Clandestine "Spy" Radio Operations during WW-II	ARRL Member Forum
930				
945				
1000				
1015				
1030	Ham Nation - A Town Hall Meeting		RTTY Contesting	
1045				
1100				
1115				
1130				
1145				
1200				
1215		Fast Scan ATV	The Doctor is In	AMSAT
1230				
1245				
100				
115	Contesting		Kenwood Legacy Hybrid Equipment	
130				
145				
200				
215				
230		Portable HF Antenna System	Quarter Century Wireless Association, Inc. (QCWA)	ARRL Forum
245				
300	DX Forum	MARS	VHF-UHF	Digital Modes Now and For the Future
315				
330				
345				
400				
415				
430				
445				
500				

Bulletins Hamfests & General Announcements

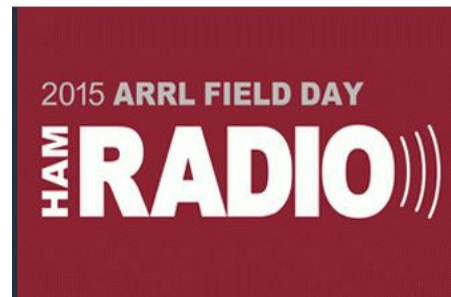
Dayton Hamvention - Forum Schedule - Sunday, 17 May - Version 1.3 (As of 23 April)

For more information, visit <http://hamvention.org>

	Room 1	Room 2	Room 3	Room 5
915	ARES	Rohn Towers	Interactive Forum for HRD	Bicycle Mobile
930				
945				
1000				
1015				
1030	System Fusion	SHARES-Shared Resources HF Emergency Communications	Engaging Youth in Ham Radio through Informal Educational Opportunities	
1045				
1100				
1115				
1130				

You don't want to miss this!

The idea is to work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.



Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and running through 2059 UTC Sunday. Field Day 2015 is June 27-28.

Our Field Day space in Economy Park has been reserved. It's time to get organized. What radios will Club members be bringing? Time to decide questions like: Who will bring generator power and solar power. Will you be bringing a tent or an Ez-up canopy? Who will operate in the night time hours?

What about a cooler with something cold to drink?
Some snacks?

Bring your favorite main dish to share?



This Month

This month's feature presentation:

Speaker:

Rich Soltesz

K3SOM

Topic:

Strange Signals



Including:

Strange signals, paranormal activity, spies or counterspies? Continuing with our BVARA Presentation Series this year, our topic this month attempts to examine and explain some of those mysterious sounds that sometimes appear on the ham radio bands. The easy ones are identified as various digital modes and we'll hear exactly what each of them sound like. Clandestine signals for spies have a long history using radio communications. Interlopers with horrible CB-style signals, AM music, and sweeping signals are just a few of what we'll discover. But wait, there's more: we'll also look at the famous Eindhoven experiments of 1928. Some people liken these strange experiments to radio's 'flying saucer' effect. Be prepared to learn, to question, and to join in with some speculation of your own because this is one exciting presentation you won't want to miss!

Rich's Background:

Extra Class Ham, Licensed since 1962, VE,

B.S. Electrical Engineering



More this Month

VE TEST SESSION

Beaver County Emergency Services Center
351 14th Street
Ambridge, PA 15003

Tests begin 5PM Thursday, May 14th (walk-ins allowed).
All classes of amateur radio license tests will be administered.

ALL candidates MUST bring ALL of the following:

1. 2 forms of I.D. - one MUST be a photo I.D.
2. A pencil AND a pen with blue or black ink.
3. The original AND a photocopy of any valid ham license.
4. The original AND a photocopy of any C.S.C.E.
5. The test fee of \$15 - cash, check, or money order.

For more information, contact :
Rich Soltesz, K3SOM
(724) 847-0610
k3som@arrl.net

WEEKLY

Thursday Morning Breakfast

The BVARA meets every Thursday at Steak n Shake in Center Township, by the Beaver Valley Mall, at 10:00 AM. All area amateurs are encouraged to come join us at our Thursday morning breakfast.



See you at Steak n Shake!

Propagation Charts

From the ARRL

No Propagation Chart on the ARRL Web Page as yet for the month of May

PROPAGATION

The East Coast propagation chart listed above is for May 2015. If you would like more information on how to read these charts, or for more information on propagation in general, please visit <http://arrl.org/propagation>

RACES / ARES

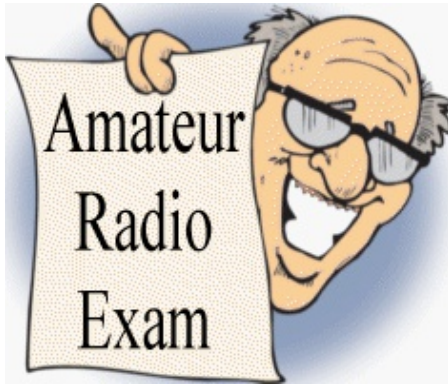
eQRM Urges All County Hams to Participate

As a matter of editorial opinion, the eQRM urges all Beaver County licensed amateurs 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 (131.8 PL)

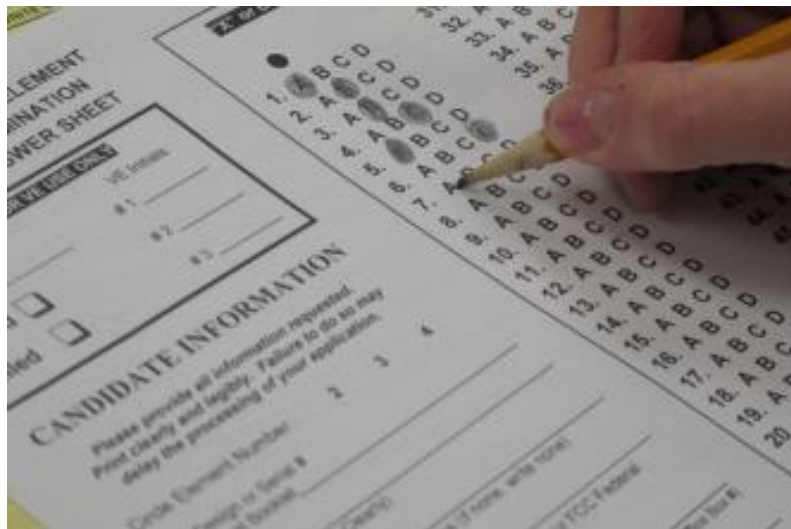


New License and Upgrades BVARA VE Testing



The BVARA would like to acknowledge :

Mike Parker - KC3EUZ from Midland, PA as a newly Licensed Technician Class



Who We Are

Membership Information and Club Officers



2015 BVARA OFFICERS

President: Jack Spencer, KZ3Z
Vice President: Dick Hanna, K3VYY
2nd Vice Pres.: Rob Miller, N3OJL
Treasurer: Pam Spencer, W3PMS
Secretary: Norm Trunick, K3NJT
Director: Bob Winkle, N3AZZ
Director: Jeff Waite, K3SLK
Trustee: Rich Soltesz, K3SOM

MONTHLY MEETINGS

E-Board meetings are now held the Saturday before the monthly club meeting.
VE testing begins at 5:00.
Regular meetings are at 6:30.

All meetings are held at
Beaver County
Emergency Services Center
351 14th Street
Ambridge, PA 15003
on the second Thursday of every month
(unless otherwise stated).

MEETING DATES 2015

May 14
June 11
July 9
Aug 15 Corn Roast no meeting
Sept 10
Oct 8
Nov 12
Dec TBA Christmas Party no meeting



Beaver County

W3SGJ
Beaver Valley Amateur Radio Association
P.O. Box 424
South Heights, PA 15081, USA
ITU 8, CQ 5, Grid EN90ur, Beaver County

Membership Information

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 Membership you purchase!

Join the BVARA and ARRL

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"/> CHILD UNDER 21 IN HOME	5.00	_____
<input type="checkbox"/> ONE YEAR ARRL MEMBERSHIP	39.00	_____
	DONATION	_____
ARRL MEMBER ? YES NO	TOTAL	_____

Your license class (If you have one)

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

Your Call sign _____ Exp.date _____

Your Signature _____

Make check or money order payable to:
The Beaver Valley Amateur Radio Association, P.O. Box 424
South Heights, Pa 15081

On Air

Amateur and ham radio station operating ... is a privilege.

The individuals who benefit from these privileges have been granted a license to operate an amateur radio station by the regulating agency of their country.

These unique privileges come with responsibilities. All privileges do!
All amateur radio operators must follow internationally



orderly use of the privileges granted to ham radio operators.

The ham societies collaborate under the auspices of a democratic organization called the IARU - International Amateur Radio Union.

Why collaborate? Because we all share a common natural resource: allocated portions of the radio spectrum (air waves). Like aircraft pilots, who share the air space,

must abide by commonly accepted rules and regulations, so must radio amateurs, but for different reasons.

In the case of aircraft pilots, their safety and that of others, both in the air and on the ground, is at stake.

Ham radio operators must also follow rules, but for a different

reason. We must avoid causing interference to other hamradio stations, as well as other users of the radio spectrum such as.....

commercial radio and TV broadcasting stations, their listeners ...

other commercial users such as air traffic control, marine, road transport dispatch, private telecommunication channels ...

government, military, police, fire departments ...

The list of radio spectrum users is nearly endless!



accepted operating procedures and code of ethics. The operator who does not abide by the rules runs the risk of losing her/his license and call sign!

Amateur radio societies, from (most) countries of the world, collaborate to ensure an



Courtesy of
Ham Radio Operator
Claude Jollet VE2DPE

Bits and Pieces

May is here!

When was the last time you checked your antenna SWR? This is a great month to check it and record it.



Safety! Safety! Safety!

Proper antenna SWR is very important. Safety. When was the last time you checked the SWR of all your antennas? Safety. You did last year and recorded your findings... great! Check it now and see if anything has changed. Safety. A change in SWR can be useful in troubleshooting a host of problems. Safety. It can give you an indication of how your radio is transmitting too. Safety. If you don't have an SWR meter, usually someone in the local ham club has one. Safety. This would be a good reason to join your local ham club. Safety. Have an "Antenna Party", this is a great way to keep your station functioning tip-top and getting to know the folks from your local Ham Club. Safety. It is always a good time to inspect all your grounds, radio connections, wires and coax.



I hope you get the idea. Always be careful and safe. Safety. SWR may not cause you to think safety, keeping safety in mind everytime you work on your station is always a good idea. Safety, Before any task on your station stop and think if there is a safer way to do what ever it is you are planning. Safety. Being safety minded will always payoff with enjoyment of the Amateur Radio Hobby. We want to hear you on the air in good health.



photos from
Yahoo images

Radio Sport

- June VHF Contest - June 13-15, 2015

For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada.

Stations in KH0-9, KL7 & KP1-KP5, CY9 and CY0 count as W/VE stations and can be worked by DX stations for contest credit.

The second full weekend in June. Begins 1800 UTC Saturday, runs through 0259 UTC Monday.

All authorized frequencies above 50 MHz (6 Meters).

- Kids Day- Sunday, June 21 2015

Kids Day always runs from 1800 UTC through 2359 UTC. Operate as much or as little as you like.

Twice a year, ARRL offers an event designed to promote Amateur Radio to our youth. Share the excitement with your kids or grandkids, a Scout troop, a church or the general public! Kids Day is designed to give on-the-air experience to youngsters and hopefully foster interest in getting a license of their own. It is also intended to give older hams a chance to share their station and love for Amateur Radio with their children.

For more information go to the ARRL web site with the Keywords: "contest calendar"

<http://www.arrl.org/contest-calendar>

Some Interesting Links

- Ham Radio <http://youtu.be/yShlA12kMZw>
Propagation Videos <https://www.youtube.com/watch?v=yShlA12kMZw&noredirect=1>
- Pluto New Horizons http://www.nasa.gov/mission_pages/newhorizons/main/index.html
Spacecraft
closest approach: July 14, 2015
- Background to Space Weather <http://www.spaceacademy.net.au/env/spwx/spwxtute.htm>
- Solar Facts & Space Weather <http://www.thesuntoday.org/>
- Mars Rover Interest <http://mars.jpl.nasa.gov/msl/multimedia/images/>
- American Radio Relay League (ARRL) <http://www.arrl.org/home>
- Dr. Tamitha Skov Space Weather for Radio Amateurs <http://spaceweather.tv/category/amateur-radio-resources/>

The Amateur's Code

CONSIDERATE ...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL ...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE ...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY ...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED ...radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC ...station and skill always ready for service to country and community.

For Sale

The Beaver Valley Amateur Radio Association has ham equipment for sale.

The following equipment is for sale as an entire package:

FT-767 GX Transceiver, S/N 1J470108, AM, CW, SSB, NBFM
with integrated 117 VAC power supply, owner's manual, schematic, etc.
with 600 Hz CW Crystal Filter Installed

MD-1-C8 Desk dynamic microphone, manual

SP-767 External speaker with passive HP and LP audio filters, manual

FEX-767-6 6-meter plug-in module, manual (all plug-ins)

FEX-767-2 2-meter plug-in module

FEX-767-7 70-cm (440) plug-in module

FIF-232C Cat system interface, manual (one cable missing)

MH1-B8 Hand microphone

FTS-8 CTCSS Tone PC board

MFJ-815B Peak reading SWR/Wattmeter, 1.8-60 MHz

MFJ-564 Deluxe iambic paddle

CATY by N3HGW (software) for the FT-767 GX (floppy and CD)

Entire package price \$1100 (price firm) plus shipping and insurance, unless you can pick up.

For sale in the lower 48 states only with the buyer to pay packing, shipping, and
insurance charges.

Point of contact is : Rich - K3SOM@ARRL.net

Photos of equipment on next page

For Sale

