



The WAVE BENDER

May 2011



PRESIDENT'S QST



Here we are, it is the month of May. With all the rain in April, we should have lots of flowers (the bees will be happy). Field Day is rapidly approaching. The time is coming to get your equipment ready for Field Day. What are you going to do this year to have FUN at FD? We will have a pre FD setup day the Saturday before FD. This is to check out all the equipment and see if there are any problems, we need

to address.

Now to a more serious question about emergency communications. One of the reasons why Ham Radio is still around, is to be able to help when an emergency happens. This is why we have the bandwidth we have on the airwaves. I know when nothing happens it is hard to get excited about working for something that might happen, but it is not IF but WHEN it will happen.

I need to know how many of the members are interested in working to improve their skills in emergency communications. It will require more work and on air time. Learning how to set up a net, how to send messages on a net, how to use digital programs, and how to be ready when something happens. There are things like a "grab and go bag" or any other thing you will need. You cannot get ready when the problem happens, but need to be ready before it happens.

I know you have heard this from me before. Jane and I have been involved in several disasters. We have seen what happens when people show up without training and want to help. This is what makes Ham Radio look bad to our local served agencies. It takes a long time to overcome a short time screw-up. We need to show them we are ready to help, not get in the way. You never know when something will happen, but be assured it will happen. We hope it will never happen, but we need to be ready when it does. The only way to get there is to PRACTICE, PRACTICE, and PRACTICE some more, If you are interested, please talk to Jane or me and we will get going. Let's make this the best radio club in the valley.

*'Till next month.
73 Allan, AB8AA*

USS YORKTOWN BACK ON THE AIR!

from Fred Hambrecht, W4JLE/NNN0AAG on March 6, 2011

On May 14, 2011 the call sign NWKJ will be heard on the airwaves for the first time in forty one years. Yorktown will be activated by South Carolina Navy Marine Corp MARS members as well as operators from other states in Region Four for the annual military cross band test. Yorktown has been the site for WA4USN on the amateur bands under the auspices of the Charleston Amateur Radio Society; however this will be the first use of Yorktown's military call since its decommissioning. It required that Yorktown be relisted in ACP 113 to allow the use of the "Fighting lady's" military call on military frequencies.

The amateur frequencies being listened to will be announced by the operators on the frequencies listed below. QSL cards will be sent to all contacts. Yorktown will be operating on the following frequencies:

Continued page 3



Officer's Meeting: May 15, 7:00P.M.
At the Avnet's, 2050 E. South Range Rd. New
Springfield (330-549-3051)

Regular Meeting: May 17, 7:00 P.M. Davidson's,
in Cornersburgh

Program: Clarke Johnson Executive Director of Mill
Creek Park will be our speaker.

2011 Officers

President:	Al Avnet AB8AA	ab8aa@arrl.net
VP:	Roy Haren KD8IJF	harens@juno.com
Secretary:	Jane Avnet K8JAA	k8jaa@arrl.net
Treasurer:	John Fabry KC8SPF	jonnyjukebox@sbcglobal.net
Trustees:	Ted Filmer KD8IJE	efilmer@aol.com
	Russ Williams KD8LDY	russellwhoknew69@aol.com
	Steve Fabry KC8SOY	kc8soy@yahoo.com
Social:	Maureen Stein KD8NXS	mfstein@zoominternet.net

*Visit and freind us on facebook. We have
started a facebook page for all to follow. We
will post events, test, classes and pictures.
More to come as we get more information.*

REVISED SPREAD SPECTRUM RULES



ARLB012 Revised Spread Spectrum Rules to Go Into Effect April 29, 2011 - The revisions to the FCC rules affecting Spread Spectrum transmissions will go into effect April 29, 2011. The Report and Order was published in the March 30 Federal Register.

Details on the revisions can be found on the website below, Adopted February 22 and released March 4, 2011, the Report and Order eliminates the requirement that amateur stations transmitting Spread Spectrum use Automatic Power Control (APC) to reduce transmitter power. The Commission also reduced the maximum power of a Spread Spectrum emission from 100 W to 10 W PEP.

The Question Pool Committee of the National Council of Volunteer Examiner Coordinators has removed a related question, E1F13, from the Amateur Extra Class Question Pool.

<http://www.arrl.org/news/fcc-adopts-spread-spectrum-rules-changes>



SPRING CLEANING DANGER

Kids are putting Drano, tin foil, and a little water in soda bottles and capping it up - leaving it on lawns. When you go to pick up the trash, and the bottle is shaken just a little - in about 30 seconds or less it builds up a gas and explodes with enough force to remove some of your extremities. The liquid that comes out is boiling hot as well.

Don't pick up any plastic bottles that may be lying in your yards or in the gutter, etc. Pay attention to this. A plastic bottle with a cap. A little Drano. A little water. A small piece of foil. Disturb it by moving it; and BOOM!! No fingers left and other serious effects to your face, eyes, etc.

People are finding these "bombs" in mailboxes and in their yards, just waiting for you to pick it up intending to put it in the trash. But, you'll never make it!!! It takes about 30 seconds to blow after you move the thing.

See "SNOPEs" -- it's true -- the video at SNOPEs shows the Indiana State Police Bomb Squad detonating one -- it's truly horrifying! . . . I checked "Truth or Fiction" and "they" agree this is TRUTH!!! So be warned and beware.

<http://www.snopes.com/crime/warnings/bottlebomb.asp>



*Courage is what it takes to stand up
and speak.
Courage is also what it takes to sit down
and listen.*

Winston Churchill



The International Amateur Radio Union

Since 1925, the Federation of National Amateur Radio Societies
Representing the Interests of Two-Way Amateur Radio Communication

International Amateur Radio Union Región 2
The latest from Japan Published April 16th, 2011 The amateur radio activity is continuing to help those mainly within the disaster recovery area struck by the worst earthquake in Japan in 140 years.

IARU Region 3 Secretary, Ken Yamamoto JA1CJP said "several stations are handling medium distance information exchange on 7.030/7.043 MHz".

The operation in VHF and UHF bands becomes more active than in earlier days. About 250 transceivers with JARL licenses are used for communications between various refugee rest places and local government offices.

"Two sets of 430 MHz repeaters have also been delivered to the disaster area and they are operational now to enhance the existing repeaters coverage and provide easier communications between hand-held transceivers".

The big earthquake, now graded at nine on the Richter scale, and followed by a tsunami hit north-eastern Japan on 11 March, and crippled a nuclear power facility. More than 13,500 have been killed.

The headquarters station of the Japan Amateur League (JARL) in Tokyo, JA1RL became a disaster communication centre in the days immediately after the disaster.

Ken JA1CJP said, "It should be noted that some towns are so heavily disrupted that the local government offices are also in the refugee centres and the residents are staying in multiple places.

"In such cases, amateur radio can contribute a lot to maintain the ties between the local government and residents".

In the long haul the emergency communications to be provided through amateur radio, as the disruption to normal life will continue for some considerable time to come.

A presentation on the Japanese earthquake triple disaster will be made at the GAREC 2011 in Sun City, South Africa, in August this year.

*- Jim Linton VK3PC, Chairman,
IARU Disaster Communications Committee*

TECHNICIAN CLASS STARTING
SEPTEMBER 14 - TESTING OCTOBER 19
7 - 9:00+ P.M.
MAHONING COUNTY EMA
700 INDUSTRIAL RD.
YOUNGSTOWN



NEW ANDROID APP - RFINDER

...your worldwide repeater directory We are pleased to announce the release of our first Android Application Repeater Finder (RFinder)

25% of the proceeds of this app funds youth programs in Amateur Radio! RFinder allows you to find repeaters all over the world based on your current location or a specified location. It allows sorting by distance or by Trustee callsign as well as filtering by band and radius in miles or kilometers.

Repeater Finder (RFinder) taps into a worldwide repeater database, including IRLP and Echolink information. Our database is growing daily.

If we do not have your repeaters listed, please do not refund, instead please send us a national list we don't have, and get a 75% refund (25% goes to fund youth programs in Amateur Radio!) It will be loaded within 48h send to bobg@w2cyk.net

The application only stores information for repeaters within approximately 80 miles (125 km) from your location on your handheld at any one time, saving you room on your device. It uses geolocation either via cell tower triangulation, GPS or manual location entry (so you can look up the repeaters you will use on vacation or business trips, etc.).

If anyone has lists of repeaters from their countries we would love to incorporate that into our database. We already have:

US, Australia, New Zealand, Mexico, Canada, England, Scotland, Sweden, Norway, Netherlands Worldwide IRLP and Echolink nodes. For more information go to -

<http://forums.grz.com/showthread.php?292121-New-Android-App->

de W2CYK from the home QTH

Thanks to "Wes Boyd" <W8IZC@arrl.net> for this information.

NOTICE:

Darrin N8DMC is a Public Notary and will offer FREE notary services to our members. He can be reached at N8DMC@ARRL.NET

APRIL TEST SESSION



At the April test session we had two successfully testing for Technician, one for General and one for Extra.

Congratulations to **Deborah Webster KD8QCE** and **Jeffrey Hendershot KD8QCF** who got their Tech, to **Chuck Lazbar, N8PLM** who upgraded to General and to **Stephen Searl K8HMS** who upgraded to Extra.

The VEs for the session were: Al Avnet AB8AA, contact VE; Jane Avnet K8JAA; Jim Jickess KB8QDZ; Wes Boyd W8IZC; Dave Beatty KC8WY. Thanks for your help.

USS YORKTOWN - CONTINUED FROM PAGE 1

USS Yorktown (CV-10) (14 May 1200z - 15 May 0400z) Frequency Emission Amateur Band 4 0 1 0 . 0 KHZ LSB 80M

7348.0 KHZ LSB 40M
14478.5 KHZ USB 20M
20994.0 KHZ USB 15M

Technical information on the Yorktown:

Displacement: 27,000+ tons (1943) 30,000+ tons (1956)

Length: 872 feet (1943) 888 feet (1956)

Beam (waterline): 93 feet (1943) 101 feet (1956)

Draft: 30 feet

Speed: 30+ knots

Range: 14,000 nautical miles at 13 knots

Complement: 360 Officers 3000 enlisted (1943)

Aircraft: 90 (1944) 44 (1968)

Armament: (circa 1944) 12 X 5 in/38 cal guns (127 mm), 68 X 40mm 917 quad mounts), 61 X 20mm (single); (circa 1968): 4 X 5 in/38 cal (127mm)

POC: Fred Hambrecht, NNN0GBS

ADDRESS: 129 Indian Trace Court

Gilbert, SC 29054



My reading of history convinces me that most bad government results from too much government

Thomas Jefferson

Join us for the Friday night
WRARC Net
9:00 P.M. on 145.270, PL -110.9
This is a directed net, with all interested members taking a turn at Net Control

Contact Steve KC8SOY to take a turn
330-774-6346

KC8WUX Mike	May 6
KC8WY Dave	May 13
KD8HCQ Bill	May 20
KD8IJE Ted	May 27
AB8AA Al	June 3
June 10	Open
KD8LDY Russ	June 17
Field Day	Open
July 1-8-15	Open
KD8LDY Russ	July 22
July 29	Open



First Wednesday of the Month
the Mahoning County
ARES/RACES/Skywarn training net
is held on the W8QLYrepeater
146.745 (-) at 8:30P.M.

Swap & Shop

NN8B shack cleaning - items for sale If you see anything you want email Don at nn8b.oh@gmail.com All items subject to prior sale; act fast 1-3 are already sold.

4. Ten Tec Corsair II 100 Watt HF rig and power supply. Rig has all filters. Rig is 9 band with 4 optional filters with manual. Great receiver. \$550.00
(Used Filters Sell for \$60 to \$75 Each)
5. Ten Tec External VFO for Corsair II allows listening to 2 freqs on same band and working split w/manual. \$175.00
6. Ten Tec Model 238 1500watt tuner Needs a new elastic cord, with manual. \$275.00
7. Ten Tec Model 540 radio 5 band/100 watt all solid state with CW filter. This is a great classic rig. The first non-hybrid all solid state 100 watt rig. \$150.00
8. Ten Tec Model 262m Power Supply for 540 Has a mod to add voltage on meter with a switch. \$50.00
9. Ten Tec Model 242 remote VFO for 540 Allows listening to 2 freqs on same band Several lights not working on the made selection switch \$100.00
10. Ten Tec Model 240, 160 Meter Converter for the 540 \$75.00
11. Ten Tec Model 244 Digital Readout for the 540 \$75.00
- 11a. 540 Station of Items 7,8,9,10, & 11 Noboxes \$350.00**
12. Ten Tec "Ultramatic" keyer model KR50 Matches the 540 station; no box. \$50.00
13. Icom IC-O2AT 2 Meter HT with extra battery in near mint condition, seldom used.(New lower price) \$50.00
- 13a Both 12 & 13 above are near mint**
14. Heathkit HW-9 Qrp Rig with WARC band kit Installed in near mint condition, needs Tuned up; hard to find rig \$250.00
15. Heathkit HM-9, 5 or 50 Watt Meter \$50.00
16. Heathkit HFT-9 Antenna Tuner \$50.00
17. Heathkit SP-99 speaker has a switch added on the front. \$25.00
- 17a HW-9 Station of Items 14,15,16, & 17. (Great Price; If You Know Anything About the HW-9 You Know What I Mean) \$300.00**
18. Heathkit Model Sa-5010 Umatic Memory Keyer in Excellent Condition; No Box \$50.00
19. Logikey Model K3 Memory Keyer, New in Box, Great for Contesting \$75.00
20. Logikey Cmos Iii Memory Keyer Kit in Strudy Aluminum Box \$40.00
21. Diamond Sx-200 SWR and power meter 1.8 to 200 Mhz - 200 watts excellent condition in box \$75.00
22. Diawa Cn-410 SWR and power meter 3.5 to 150 Mhz; 15/150 watts cross needle meter in excellent condition in box \$60.00
- 23 Realistic Htx-100 Ssb/cw 10 Meter Mobile 25 watts, near mint in box \$100.00
24. Vectronics Model Vc300d Manual Antenna Tuner, Excellent Condition, No Box 200 Watt with Cross Needle Meter and Peak Reading Led Display \$100.00
25. LDG AT-100pro Autotuner in excellent condition with manual, no box or cables \$125.00
26. AEA PK232MBX Firmware V 7.122 with manuals and one cable and wall P.S., no box. In excellent condition \$75.00

27. Timewave PK232DSP DSP Firmware 1.0.1 and HI-LO Firmware V7.2; one cable and wall P.S. no manuals or box. In very good condition with small scratches on top cover. (New cost is \$519.95 at universal radio) \$200.00
28. Icom IC-F21GM GMRS/FRS hand held radio with BP-222N NI-CD Battery and BP-208N Battery case for 6 alkaline batteries. Includes desk charger and wall P.S. Manual available online, no box. \$50.00
29. Timewave ANC-4 noise canceler with manual and supplied accessories \$125.00
30. Icom VX-5 3-band HT with extra (new) battery and new desk charger with box and manual. VX-5 is silver and has 6 and 2 meters and UHF; with box \$150.00
31. Icom IC228A 2m Radio; 25 watts; No Mic, manual or pwr cable but it does have a box. \$40.00
32. Timewave DSP 9+ audio filter with manual \$60.00
33. Kenwood TM-241 50 Watt 2 Meter FM Radio, with manual, battery recently changed. \$75.00

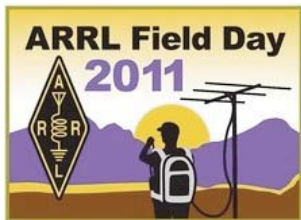
Telegraph keys for sale all are in the condition I received them in. I have not cleaned any of them, I'll let that up to you if you want them cleaned. Shipping is extra, if you want the key, talk to me and we'll work it out. Pics on request.

1. 1921 Vibroplex original. This key has a lot of character. The japaned base has some chips and is crazed. The plating is missing in a few places. The key is fully functional and is the first model to have the current style nameplate with the bug on it. It is serial number 84260. \$90.00
2. Vibroplex champion. Grey base. Serial number 183242 which makes it a 1953 model. The champion is the less expensive version of the lightning bug. The action is the same. In good condition \$60.00
3. Vibroplex original. Black base. Serial number 144636 which makes it a 1945 model, possibly made during wartime. This key is in good condition and I am using it now. With red finger pieces \$80.00
4. J-37 military straight key, no base. Bakelite frame and was used on the "leg iron" mount that pilots used. It is a low profile Key and is in good condition \$20.00
6. Signal electric brass key. No shorting bar and no bug lip. This one is in pretty nice condition. Does not appear to have seen much use \$20.00
7. Signal electric brass key. No shorting bar and no bug lip. This one is in good condition looks like it was cleaned at some time because there is some polish residue on it. The knob has a blemish on it, but is completely usable. The plating on the arm is not perfect. \$15.00
8. Signal electric brass key. No shorting bar and no bug lip. This key is in fair condition. The arm is rusty and the key needs cleaned to look nice. De-rusting the arm is not a problem. The knob is worn as though the key has seen plenty of use \$15.00
9. Reeve brass key. This manufacturer is not seen very often and may be somewhat rare, it says "Reeve electric co. Brooklyn, NY" on the base With "reeve" stamped in the arm. It is a Bunnell "triumph" style key and is in very good condition. The knob has a minor chip on the edge. This key would polish up very nicely \$35.00

*The average person who stops smoking
requires one hour less sleep a night*

FIELD DAY OVERVIEW

NATIONAL TERRORISM ADVISORY SYSTEM



ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. Each year over 35,000 amateurs gather with their clubs, friends or simply by themselves to

operate.

On June 25-26, join other Amateur Radio operators as they gather for a public demonstration of the Amateur Radio Service.

ARRL Field Day is not a fully adjudicated contest, which explains much of its popularity. It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, most groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to local elected community leaders, key individuals with the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

Its objective 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.

WRARC Field Day will be held in the same place it was held last year. The field next to Marthia Zarlenga's home in Canfield, 8905 Columbiana Canfield Rd. (SR46). We will be having an antenna day the weekend before, June 18. Bring your gear out to be sure it is in good working order

Steve KC8SOY and **Roy KD8IJF** are in charge again this year. Let them know what bands you plan to operate so we don't have too much duplication. We will start setting up on Friday, June 24.

Maureen KD8NXS will be asking you to sign up so she can anticipate what covered dishes everyone will be bringing. WRARC will provide the hamburgs and hot dogs, buns etc. If you can't make our site, go to <http://www.arrl.org/field-day-locator>



Last week the federal government announced that on April 26th, the National Terrorism Advisory System (NTAS) will replace the color-coded Homeland Security Advisory System (HSAS). The NTAS will more effectively communicate information

about terrorist threats by providing timely, detailed information to the public, government agencies, first responders, airports and other transportation hubs, and the private sector. The NTAS recognizes that Americans all share responsibility for the nation's security, and should always be aware of the heightened risk of terrorist attack in the United States and what they should do.

NTAS Alerts will be organized into the following two threat categories:

Imminent Threat Alert - Warns of a credible, specific, and impending terrorist threat against the United States.

Elevated Threat Alert - Warns of a credible terrorist threat against the United States.

How the Alerts will Be Issued - After reviewing available information, the Secretary of Homeland Security will decide, in coordination with other Federal entities, whether an NTAS Alert should be issued. NTAS Alerts will only be issued when credible information is available.

What an Alert will Include - NTAS Alerts will include a clear statement that there is an imminent threat or elevated threat. Using available information, the alerts will provide a concise summary of the potential threat, information about actions being taken to ensure public safety, and recommended steps that individuals, communities, businesses and governments can take to help prevent, mitigate or respond to the threat. NTAS Alerts will be based on the nature of the threat: in some cases, alerts will be sent directly to law enforcement or affected areas of the private sector, while in others, alerts will be issued more broadly to the American people through both official and media channels.

To read the full article go to <http://www.dhs.gov/files/programs/ntas.shtm>

email sent from Mahoning County EMA - Thanks!

CONTACT WRARC ELMERS WITH YOUR QUESTIONS

Avnet, Allan AB8AA	Antennas, radio setup, mobile, grounding, classes, anything	ab8aa@arrl.net
Beatty, Dave KC8WY	anything	kc8wy@zoominternet.net
Fabry, Steve KC8SOY	Yaesu FT8900, FT8800, Mobile	kc8soy@yahoo.com
Haren, Roy KD8IJF	???	harens@juno.com
Webster, Robert KD8OXJ	erecting antennas	rswbster@mail.com
Williams, Russ LD8LDY	Electrician, tele-data, Amateur Extra	russellwhoknew69@aol.com

May 2011



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 ARES Net 8:30 P.M. 146.745	5 <i>Cinco de Mayo</i>	6 WRARC Net 9:00PM 145.270	7
8  Happy Birthday WD8CDU 	9	10 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	11	12	13 WRARC Net 9:00PM 145.270	14
15 WRARC Board Meeting 7:00P.M	16	17 WRARC Meeting 7:00P.M	18 Happy Birthday  KD8JMO	19	20 WRARC Net 9:00PM 145.270 	21 Dayton Hamvention®
22 Dayton Hamvention®	23	24 Eat'n Park 8:30 A.M. Ham Breakfast Happy Birthday  KD8IJF	25	26	27 WRARC Net 9:00PM 145.270	28
29	30  Memorial Day	31 Happy Birthday  KC4AHF	June 1 ARES Net 8:30 P.M. 146.745	2	3 WRARC Net 9:00PM 145.270	4