



The
Wave Bender
August 2013

PRESIDENT'S QST FOR AUGUST



Well. Our big event, the Tour of the Valley is behind us. We had a good time, and things went well. I want to thank everyone that came out and volunteered to work the event. We have been asked to do it again next year. Our next event will be the Diabetes Walk on October 20 at the Fairgrounds.

I know that I have said this before however. Now is the time that you have to think about the future of the Club. Who do you want to run things for the next two to four years? My term will be over January 1, 2014. I will not be running for any office. I need to have some time off. I will still be on the board as the past President. We need to have someone step up for the positions of President, Vice President, Secretary and Trustee. None of these positions are very hard. If you are interested in any position, contact the nominating committee chairman, Ted Fulmer KD8IJE. If you do not know what the job entails, go to the web page and check out the Members site and look at the SOP document. All positions and what they require are spelled out in that document.

We have made big strides to have a club like no other in this area. We are helping the membership be better more informed Hams. We have done things that others are trying to copy. This is what we need to continue to do. New operating events, classes, workshops and ????. It is your choice what happens to the club, not the board, just the membership.

73, AB8AA

Amateur Radio is a Hobby, Emergency Communications is a Commitment!



Officer's Meeting: June 16, 7:00 P.M. At the Avnet's (330-549-3051)
Regular Meeting: June 18, 7:00 P.M. Davidson's, 3636 Canfield Rd. in Cornersburgh
Speaker: Jim Aylward KC8PD, EC Portage County
Topic: TBD

2013 Officers:

President:	Al Avnet, AB8AA	ab8aa@arrl.net
VP:	Robert Webster, WR8RW	wr8rw@arrl.net
Secretary:	Jane Avnet, K8JAA	k8jaa@arrl.net
Treasurer:	Maureen Stein, KD8NXS	mfstein@zoominternet.net
Trustees:	Ted Filmer, KD8IJE	efilmer@aol.com
	Roy Haren, KD8IJF	harens@juno.com
	Steve Fabry, KC8SOY	kc8soy@yahoo.com
Appointed Positions:		
Social:	Maureen Stein, KD8NXS	mfstein@zoominternet.net
Publicity:	Joe Wojtowicz, KD8RCC	jtwojo@sbcglobal.net
Newsletter/Web:	Jane Avnet K8JAA	k8jaa@arrl.net
Badges::	John Fabry, KC8SPF	JohnnyJukebox@sbcglobal.net

<http://www.wrarc.net/>

FIELD DAY – THE CLASSROOM . . .



The number of Field Days I have experienced can be counted on one hand with fingers to spare. Because of that, I am certainly not as wise as others are when it comes to this annual event. However as each of these special weekend's pass I come away with a greater appreciation for one of the original intended educational foundations of Field Day...know what you can do and learn what you need to do better.

In this article I will offer, for your consideration, an alternative perspective of Field Day as a living, breathing classroom from which we can take new learning to hone our skills. At the end of the Field Day weekend if we have not actively critiqued what we do, how well we do it, and asked questions we have missed a significant learning opportunity.

The "Grab and Run": Packing the right "kit" into the vehicle. Is it days, hours, or minutes? From time-to-time I grab my gear and load the truck with an eye to shaving off the minutes. Field Day preparation gives us as close an opportunity as we will generally have to know what it takes to get us on the road. In the last two years, I have learned what is more critical to take along and what is better left at home. Sometimes less is better.

The Station Setup: I have challenged myself to be in a solid operational posture as quickly as I reasonably can, using a minimum of additional resources, after arriving at the site. I frequently review the "components" of my station with a target of setting them up using minimal assistance. When the "real thing" happens the luxury of time and additional available resources to get us on the air may very likely not be on our side.

Operating: The Field Days I have participated in have highlighted one significant fact...I do not know enough about my field station. This includes the radio, antenna, and power source components, as well as the ability to quickly assess the operating environment at the site to make things work well. Having "the manual" with you is all right, but having it "in your head" is better. This year I had to learn very quickly how to cool an overheating radio in order to continue operating successfully. When the band conditions are bad-at-best, and our location less than optimal, we must still get message traffic through. Knowing the best configuration of the radio, antenna, and power source to get the traffic through comes by practice at Field Day, asking questions afterward, and applying the learning.

The List: Perhaps it is my tendency toward being "Type A" that motivates me to keep a list of what I have learned and still need to learn. Field Day provides a platform to actively and objectively write down those things I need to learn about and know better.

The Personal De-brief: My wife Deborah (KD8QCE) will testify to the fact that for some time after Field Day I am tinkering and tuning things in my station I know will produce better results "next time." Reviewing "The List" and acting on fresh learning pays big dividends.

We all enjoy Field Day's festivities. But on balance, along with the festivities we need to also "seize the weekend" to actively learn and bolster our knowledge of effective operation in the field. When "the call" comes in it may very well be the school of hard knocks that is in session.

-73- Robert, WR8RW, 27 July 2013



**ELECTIONS THIS FALL!
TED KD8IJE IS HEADING THE NOMINATING COMMITTEE
WE NEED TO ELECT -**

**PRESIDENT
VICE PRESIDENT
SECRETARY
&
ONE TRUSTEE**

**INTERESTED IN RUNNING? CONTACT TED!
efilmer@aol.com**

WRARC Communications Unit Net Friday Nites 8:00P.M.
145.270, PL -110.9

Net Control will be rotated

Join us for the WRARC Friday night Net 9:00 P.M.
145.270, PL -110.9

Upcoming Net Control Operators

Aug. 02 Dave, KC8WY
Aug. 09 Cory, KD8STJ
Aug. 16 Maureen, KD8MXS
Aug. 23 Ted, KD8IJE
Aug. 30 Jane, K8JAA
Sept 06 Dennis, KD8SNA
Sept 13 Brent, KD8PQM
Sept 20 Maureen, KD8MXS
Sept 27 Darrin, N8DMC

Contact Steve, KC8SOY to take a turn at Net Control
330-774-6346

Ask The Elmer Net Right after the Friday Night Net
KC8SOY Moderator

Mahoning County ARES® Nets

1st Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)
&

3rd Monday 8.30 PM ET W8QLY Repeater - 146.745 (PL 110.9)
We thank MVARA for the use of their repeater

W8SGT is facilitating The Ohio HF net every Tuesday - 7:00 PM
The net is run from the State of Ohio EOC on the
Ohio ARES Admin frequency 3875 Khz LSB
moves to 7240 Khz after 20-min.
All are welcome to check in.

The Ohio ARES/OES Digital Emergency Net held every Tuesday at 8:00PM.
held on 3585 kHz USB.

Please note all digital communications are Upper Side Band.
<http://www.http://ohden.org/> for net details. Net Manager Gary NJ8BB

COLUMBIANA COUNTY DIGITAL NET

Wednesdays 8:30 pm - 9:30 pm
145.510 MHZ SIMPLEX

NBEMS/FLDIGI is being used training on the message handling capabilities of FLDIGI/FLMSG. Start with BPSK-125 other modes may be used for testing

First Wednesday of the Month Mahoning County Skywarn Net
is held on the W8QLY repeater 146.745 (-) at 8:30P.M.

Thanks & 73

All of our members (and others) look forward (hopefully) to getting this newsletter every month, so keep sending those articles, jokes, and suggestions!

Thanks goes out to this month's contributors; AB8AA, WR8RW, KC8UNR, KB8UUZ, W8IZC, W8DEC, N8SY, W5YI, the ARRL and the World-Wide Web.

We are thinking of making a bulk buy of Anderson Power Pole connectors. If we get enough orders, the price will be better than what you can get them for from the on line dealers. We will have a sign up sheet at the next meeting.

Also black and red zip wire, if we have enough interest.

Contact Al if you're interested. 330-549-3051 or ab8aa@arrl.net.

LEARN TO USE PHONETICS

In case you'd like to have a reminder, here they are.

- A - ALPHA
- B - BRAVO
- C - CHARLIE
- D - DELTA
- E - ECHO
- F - FOXTROT
- G - GOLF
- H - HOTEL
- I - INDIA
- J - JOULIET
- K - KILO
- L - LIMA
- M - MIKE

- N - NOVEMBER
- O - OSCAR
- P - PAPA
- Q - QUEBEC
- R - ROMEO
- S - SIERRA
- T - TANGO
- U - UNIFORM
- V - VICTOR
- W - WHISKEY
- X - X-RAY
- Y - YANKEE
- Z - ZULU

"If you attended a WRARC meeting and don't sign in, were you really there!"
Anonymous



HAM RADIO TECHNICIAN CLASS
WEDNESDAY EVENINGS, 7:00 - 9:30 P.M.
SEPT.11 THRU OCT. 19, 2013
CLASS LOCATION: ITT TECH,
1030 NORTH MERIDIAN ROAD, YOUNGSTOWN

HAM RADIO GENERAL CLASS
WEDNESDAY EVENINGS, 7:00 - 9:30 P.M.
NOV. 6 THRU DEC. 18, 2013
CLASS LOCATION: ITT TECH,
1030 NORTH MERIDIAN ROAD, YOUNGSTOWN

FOR INFO OR TO SECURE A SEAT, CALL AL
330-549-3051

CONTACT WRARC ELMERS WITH YOUR QUESTIONS - QUESTIONS@WRARC.NET

Avnet, Allan AB8AA

Antennas, radio setup, mobile,
grounding, classes, anything
anything

ab8aa@arrl.net

Beatty, Dave KC8WY
 Fabry, Steve KC8SOY
 Haren, Roy KD8IJF
 Webster, Robert WR8RW
 Williams, Russ NR8W

Yaesu FT8900, FT8800, Mobile
 ???
 erecting antennas
 Electrician, tele-data, Amateur Extra

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He who is afraid of asking, is afraid of learning

Articles from members for the Wave Bender are encouraged. They must be received by the editor three days before the end of the month. Please send your articles to: k8jaa@arrl.net, and put WRARC on the subject line of your email. You may also send your articles to the editor: Jane Avnet, 2050 E. South Range Rd., New Springfield, OH 44443

TOV 2013 IS HISTORY



Four members participated in the Time Trials held 7/12. Roy Haren KD8IJF, Chris Monske KD8ELY, Al, AB8AA, & Jane, K8JAA, Avnet. The TT went off without a hitch, well maybe one case of road-rash. No rain for the TT!

The road race held the following day, July 13. The day started with the first race at 9:00 A.M. We had to be there at eight to get everything set up. We brought the tower trailer, with the generator on board, which we used at Field Day. The generator came in handy. It

was used all during the event. Robert, WR8RW, was the net control operator for the first couple hours, but had to leave early. Mary Jo, KD8GGZ took over at net control after he left, and did a great job. She said this was the first time she ever acted as a net control operator, hard to believe. Jane K8JAA acted as scribe, Al AB8AA was the runner. We used the LAARA repeater, but still had problems contacting some of our volunteers.

The course was very hilly, had some sharp turns, and crossed some major highways. There were police at most of those dangerous crossings. There were eight different races, the first three went off at 5-minute intervals, starting at 9:00 A.M. They did the 26-mile course once. The next five races started at 11:00 A.M., and took off in 10-minute intervals. Four of them did the 26-mile course twice. The remaining race did the course three times. There were a number of cases of road-rash. We did have an accident that required one rider to be taken to Salem Hospital. Had to have a stitch or two, the last we heard he was OK. His bike didn't fare as well, it can't be repaired. The seat broke off!

Other Hams who came out to assist were: Leon N8GLK; Roy, KD8IJF; Chris, KD8ELY; Ted, KD8IJE; Dennis, KD8SNA; Rosemary, KF8TII; David, KC8WY; Stan, KB3WPD; Russ, NR8W; Steve, KC8SOY; Joe, KD8RCC; Jenna, KD8STI; Don, NN8B. Dave N8YMZ stopped by to say HI. After it was over some of us went to The Dutch House in Columbiana for a very early dinner.

Thanks to all who volunteered! It was a beautiful day - with no rain!

WHAT'S COMING UP

August 20: Jim Aylward KC8PD (Topic still TBD)
August 21: Testing @ ITT Tech
September 17: Ed Brannan KC8VCQ (Counter Terrorism)
October 13: Mark Haverstock K8MSH (CHIRP)
October 14: Testing @ ITT Tech
October 20: Diabetes Walk - Please volunteer - Contact Al 330-549-3051.

MARSHALS LOSE TRACK OF ENCRYPTED RADIOS WORTH MILLIONS

Loss of Equipment Could Endanger Judges, Witnesses

07-22-2013 --- The US Marshals aren't quite sure what happened to some 2,000 of their encrypted two-way radios?gear that's worth at least \$6 million, according to one estimate. The agency says the "issue is in large part attributable to poor record-keeping as a result of an older property-management system, as opposed to equipment being lost," the Wall Street Journal reports. Still, officials cite a major problem: "Simply put, the entire system is broken," agents said in a 2011 presentation. "The 800 pound elephant in the room needs to finally be acknowledged."

As of March, the Marshals were aware of 2,200 communications devices that were missing or unaccounted for; more recent counts have put the figure closer to 4,000, insiders say. The loss of the equipment, which the presentation blamed on "negligence and incompetence," could be dangerous for the witnesses and federal judges the Marshals protect, some officials say. If the devices ended up in the wrong hands, criminals could intercept sensitive messages?and indeed, a radio appeared on eBay a few years ago. When an employee bought it back, it showed evidence of tampering. The Journal also finds evidence that the agency tried to keep the matter quiet.

INSTALLATION THOUGHTS FOR THE MOBILE HAM!



I hope everyone is enjoying their summer, thought I would continue with another article about installation do's, don'ts, and thoughts. I will start with your radio's power wires.

Direct to battery is best, through the fire wall. Usually there is at least one empty grommet on many vehicles that you can use. If not, many of the vehicle's wire harnesses have enough room where they pass through the fire wall for you to slide your radio wires alongside.

You can also use the fuse box inside the vehicle. Again usually there are spare fuses, or spots you can connect to. I would highly recommend that you go to the battery if at all possible. The battery acts like a giant capacitor (which it is) and soaks up any voltage spikes, plus I like to keep my radios wires separate from the

vehicle systems.

You really should use # 12-14 ga. wire. Most radio manufactures wire harness is not large enough for the current that radios draw on high power. My new kenwood tm-281a looks like 14ga, and the insulation over the wires is very thin. This is really not adequate for a 65 watt radio if you are the talkative sort! Try to keep the wires short and away from the vehicles components, especially anything that moves!

When you run the power wires and coax to the radio keep them from being parallel to vehicle wiring. Always (if possible) cross vehicle wiring at right angles to help stop the wires from picking up noise, rfi etc. Also be aware of hinges, joints, screws and anything that can damage your radio wiring or coax. Do not make sharp bends or "u" turns with wires, and coax cables. It will change the characteristics of the wire and coax. I have found many installs where folks did this, it can reduce your power and signal alot. Using a bird watt meter, a 25 watt radio showed 12 watts into a quarter wave antenna due to a "u" turn in the coax right behind the radio. Another install showed 30 watts forward on a 50 watt radio. They used #16 ga wire, and the coax had a tight loop in it. The wires/coax will get hot quicker with sharp bends or turns in them.

Never use the lighter plug or "accessory outlet" unless you are going to use the radio on low power. Most of these outlets use #16ga. or smaller wire even though they are rated up to 20A according to manufacturers. The pics are of my 2005 dodge ram accessory outlet. You can see the red and blue wire around my finger but they are about the same size as the wires for the air bag (yellow connector in photo) which are #18 and #20ga wires. Try to limit the number of splices in your power wires as that leads to voltage loss. Following the above will help minimize any electrical problems with your radio, and help stop any radio frequency interference to and from the radio.

Computers, Antennas, and Gain!

The auto manufacturers have various locations where they hide the vehicle computers. Usually they are found on either side of the firewall, also near your feet on the floor, and under the seats. So make attempts to stay away from any lumps you find under the carpet in your cars.

You can use an HT to help find anything that might give off noise (ie computer). Move the HT around the vehicle both in the engine compartment and in the passenger area (yes the car has to be running so be careful) Note where noise is and keep your wiring away from there if possible.

You can do the same with your mag mount antennas. Different areas on the roof will give different antenna conditions. I personally do not care for permanent mount antennas only because if they get pulled out, the hole will be bigger than when you installed it. I have seen where it looked like the top of a pop or beverage can, or when you yank a hang nail and it tears backwards. Those holes are tough to fix.

Mag mounts do have their problems though, highway speeds, dirt under the magnet, coax through the doors, ground and ground plane issues, SWR issues etc. I am only familiar with the 1/4 wave or 5/8 wave antennas. This is all I ever use. A 5/8 wave antenna only shows signal gain when it is vertical, at highway speeds the whip bends back and you LOSE most of the gain.

Gain can be debated like anything, also to note there are two ways to compare gain, Dbi or Db. That will be for another time. If you have a thick whip or have a multiband, multigain type antennas that are thick and nonbending type you put a lot of stress on the antenna mount. Also when you hit or get hit by tree limbs or at the bank drive thru and smack the lights you are likely to cause a lot more damage to both *Continued page 7*

INSTALLATION THOUGHTS - CONTINUED FROM PAGE 6

your antenna, and what you hit as compared to a true whip antenna. You may want to think about if you need your signal to go toward the horizon or if you need more signal to go upward.

If you are in a city, or in a hilly area you may want to use a 1/4 wave antenna so the signal will go up toward the top of the hills, or toward the repeater. The 5/8 wave antenna is great for improved reception, but only adds little signal gain, and sends it toward the horizon which is great for flatter land, or if you are in a poor signal area. Again the 5/8 wave is great IF the antenna is close to vertical, any more than about a 30degree bend and most gain is gone. Get as much metal as possible underneath the magnet to help with holding ability, SWR, and ground plane.

On cars there is a big difference using the roof instead of the trunk lid when it comes to signal patterns. Even though it is only a foot or two higher the ground plane under the antenna makes a difference. Usually your best TX, and RX path will be from the direction of where the most metal under the antenna is.

Finally

Again please install safely, watch out for air bags, and their deployment paths. It is best to disconnect the negative from the battery when installing your electronic goodies. Stay away from all moving parts in the vehicle. When done test the radio and installation at a parking lot or somewhere safe, in case of RFI problems to both the car and radios.

Happy Motoring Ham Style! 73 KC8UNR

GOOGLE'S \$35 CHROMECAST LETS YOU BEAM VIDEO FROM 'ANY DEVICE' TO YOUR TV

Tom Cheredar

Google just debuted a new streaming media stick called Chromecast that beams what's happening on your smartphone, tablet, or laptop to your television.

The search-and-media giant debuted Chromecast at a press event this morning in San Francisco. The new device brings Apple TV's Airplay-like functionality for both Android and iOS mobile devices. Oh, and instead of charging \$50 to \$100 like the cheapest Roku model or Apple's Apple TV, Chromecast is only \$35. That's insanely cheap for what it does.

Google first showed off the functionality of Chromecast with YouTube, which not only pushes videos you're watching to your TV screen but also automatically changes to the correct input. (The demo video made it look like a pretty seamless process that will make you wonder how you ever managed to kill 15 minutes watching YouTube videos while sitting on the couch in front of your television.)

Obviously, this is a nice perk for video, but it also streams music and media from individual tabs via Google Chrome web browser on laptops. The company said most Macs and Windows 7- and 8-ready laptops should be compatible with the Chromecast functionality. We don't have a full list of supported devices, but at the \$35 price it seems very likely that Google will bend over backwards to make Chromecast compatible for everyone who wants to use one, regardless of how old their gadgets are.

Chromecast will connect to your television via an HDMI port, but still requires that you plug it to an external power source via a USB power adapter. The requirement of external power (meaning, having to plug it into an electrical socket) is pretty standard among set-top boxes, although Google didn't show the cord in its product shots. (I'm guessing the reason Google did this is because it makes the device look far less attractive.)

The device should be available by Sunday, July 28 through a variety of online stores, including Amazon, Google Play, and others. Google is also offering three free months of Netflix service for new and existing subscribers to anyone who buys a Chromecast, too.

This definitely answers some questions about why Google has been relatively silent about new developments on its Google TV platform. It also pretty much guarantees Google has no intention of ever selling the \$300 Tron bowling ball that was the Nexus Q, which debuted last year at Google's developer event.

We've embedded a gallery of Chromecast images below. Are you considering buying one? Read more at <http://venturebeat.com/2013/07/24/chromecast-lets-you-beam-video-from-android-and-ios-to-your-tv/#pRvdjGcPzzMwulwl.99>

OTHER OPPORTUNITIES



The Ohio QSO Party is an opportunity for amateur radio operators around the world to celebrate the great state of Ohio. Sponsored by the Mad River Amateur Radio Club, The Ohio QSO Party will run from Noon to Midnight, EDT on Saturday, August 24, 2013. A new category for this year will be an EOC (Emergency Operations Center) category. Local ARES / RACES groups will want to take advantage of this opportunity, and get your local EOC stations on the air!

For full information, visit the Official Ohio QSO Party website at: <http://www.ohioqp.com>



The Ohio State Parks On The Air, sponsored by the Portage County Amateur Radio Service, will be hosting their annual event on Saturday, September 7, 2013.

For rules and other important documentation, visit their official website at: <http://www.ospota.org>

Both of these Ohio events are excellent opportunities to enhance your operating fun, and also a great way to show off our hobby to the public! Work with your local clubs, and see who can take the lead on these operating contests!

<http://www.ospota.org/ospota/index.php>

SOMETHING FOR US GIRLS!

HTTP://HOME.ONLINE.NO/~LA6RHA/INDEKSSIDE_2.HTM

GREENLAND

FROM THE 16TH TO THE 20TH AUGUST 2013 THERE WILL BE 5 YLS FROM DIFFERENT COUNTRIES

ACTIVATING AMATEUR RADIO FROM KANGERLUSSUAQ.

THE LAST YL EXPEDITION IN 2010 WAS VERY SUCCESSFUL SO WE 5 YLS HOPE THIS ALSO WILL BE THAT.

SO IN AUGUST THIS YEAR THE FIVE YLS ON THE LEFT ON THE SITE WILL TRY AGAIN TO GIVE MORE RADIO AMATEURS AROUND THE WORLD A CHANCE OF GETTING EITHER A NEW COUNTRY OR A YL COUNTRY IN THEIR LOG.

WE WILL BE ON THE RADIO WITH CALL OX5YL AROUND THE CLOCK THESE DAYS TO TRY TO GIVE AS MANY AS POSSIBLE THE CHANCE OF WORKING YLS FROM OX.

ALL OF THE YLS HAVE GOOD TRAINING IN WORKING PILE UPS. LET'S ONLY HOPE FOR GOOD PROPAGATION WHILST ON GREENLAND.

WITH YLS FROM SO MANY DIFFERENT COUNTRIES WE CAN SERVE YOU HAMS OUT THERE IN ADDITION TO ENGLISH, ALSO ON SCANDINAVIAN LANGUAGES, GERMAN, JAPANESE AND KOREAN - IF NEEDED.

WE ESPECIALLY URGE SO MANY YLS AS POSSIBLE TO COME ON THE BANDS THOSE DAYS. .

WE WILL UPDATE THESE PAGES REGULARLY TOWARDS OUR DEPARTURE FOR GREENLAND.

33, 73 ES 88 DE GREENLAND YL EXPEDITION 2013.

MATT'S NOTES

I blasted out a huge thank you to all who provided communications support for the Pan Ohio Hope Ride. Dates for 2014 are July 24-27. I already marked my calendar. Please bear in mind POHR is not the only bicycle ride in Ohio. Please check with your Emergency Coordinator or District Emergency Coordinator to find out about others like GOBA, TOSRV, MS150, Tour de Cure, Tour of the Valley, and Pelotonia just to name a few.

Month of August brings us a few more hamfests in the Ohio Section.

August 18th is the Warren Hamfest in Cortland, OH.

August 25th is the CFARC Tailgate Fest in Stow, OH.

Important dates.

Saturday, August 24th - Ohio QSO Party. Excellent training opportunity.

Saturday, September 7th - Ohio State Parks On The Air. Another great training opportunity.

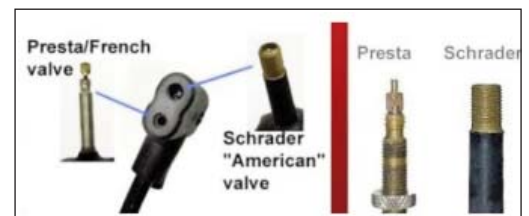
Saturday, October 12th - Statewide Simulated Emergency Test.

Saturday, November 9th - All Ohio ARES Conference - Ohio Fire Academy, Reynoldsburg, OH. Register on the ARES page at www.arri-ohio.org.

Online registration is OPEN for the All Ohio ARES Conference on Saturday, November 9th at the Ohio Fire Academy in Reynoldsburg, OH. We have a great lineup of presenters so far but there's room for more. This conference is the perfect venue to teach us something you know about public service communications, digital communications, emergency/disaster communications, or even show us something you made, constructed, built, or bought! Calling all Emcomm Vehicles/trailers! This conference is a great place to show-off communications vehicles/trailers! Don't forget about the Go-Boxes! 2012 marked the largest go box display this Section has ever seen! Help make 2013 better than before! We can't do it without you! Go to <http://www.arri-ohio.org/SEC/default.html> to register.

****TRAINING** Presta Valve vs Schrader Valve.**

Many amateur radio operators volunteer for bicycle events. Do you know the difference between a Presta Valve and a Schrader Valve? Regardless if you're stationed at a water stop or in a SAG (support and gear) vehicle, knowing the answer will make you more versatile in the field. Presta valves are found on most road bicycles and Schrader valves are found virtually all automobile tires and wide rim bicycle tires. There are all varieties of tire pumps out there. Some only do Schrader. Some only do Presta. Some do both. Knowing the bicycle equipment is equally important as knowing your communications equipment. Pictures were found compliments of the word wide web.



HOMEWORK ASSIGNMENT. I am asking all volunteers to read Chapter 3 of the Public Service Communications Manual titled ARES Mutual Assistance Team (ARES MAT). <http://www.arri.org/chapter-3-ares-mutual-assistance-team-aresmat-concept>. We will be discussing this chapter over the course of the next few weeks. I plan on breaking it down for everyone and going over it piece by piece.

Food for thought...

"Talent wins games, but teamwork and intelligence wins championships." - Michael Jordan

Group - A group is a number of persons being in some relation to one another.

Team - A team comprises a group of people linked in a common purpose.

Do you have an ARES team in your county or do you have an ARES group? I found this on Wikipedia. A group in itself does not necessarily constitute a team. Teams normally have members with complementary skills and generate synergy through a coordinated effort which allows each member to maximize his/her strengths and minimize his/her weaknesses. Team members need to learn how to help one another, help other team members realize their true potential, and create an environment that allows everyone to go beyond their limitations. A team becomes more than just a collection of people when a strong sense of mutual commitment creates synergy, thus generating performance greater than the sum of the performance of its individual members.


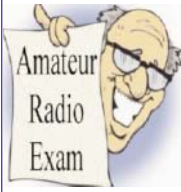
That's all for this week. As always, I thank you for everything you do for amateur radio.

73 de Matt W8DEC

August 2013



PREPAREDNESS LEADS TO READINESS
WE NEVER KNOW WHAT THIS DAY WILL BRING TO US

7/28	7/29	7/30	7/31	1	2	3
4	5 ARES Net 8:30 PM 146.745 PL 110.9 Happy Birthday KD8OKK 	6	7 Skywarn Net 8:30 P.M. 146.745	8	9 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	10
11	12	13 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfas	14	15	16 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	17
18 WRARC Board Meeting 7:00P.M	19 ARES Net 8:30 PM 146.745 PL 110.9	20 WRARC Meeting 7:00P.M	21 	22	23 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	24 Comm Unit Meeting 9:00 AM
25	26	27 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	28	29  WaveBender Articles Due	30 Comm Unit net 8:00 PM 145.270 WRARC Net 9:00PM 145.270	31