AWARD WINNING NEWSLETTER

WRARC PREZ SEZ

The July seventeenth monthly general meeting was one of the best since I joined WRARC. Bob, N8RCM, and Darren, N8DMC, gave an excellent presentation on the Dos and Dont"s of Public Service for those who participate. There were a number of questions from the membership which resulted in a lively discussion. They will probably present it again next spring before the marathon season begins.

This shows us that our members can do an outstanding job educating us about Amateur Radio. Next month I will be away and Roy, KD8IJF, will take my place at the board and general meeting. I really appreciate it and can always count on Roy.

Joe, W0JO, will be responsible for the next marathon on August 26 while Maureen, KD8NXS, is away. We also appreciate Joe for step up to the plate for this important event. I wish you all a happy summer and look forward to seeing you on August 26.



73 Brian, AB8BL. President/WRARC

"Never doubt that a small group of thoughtful citizens can change the world.

Indeed, it is the only thing that ever has."

Margaret Mead, American Cultural Anthropologist

WRARC ELECTIONS STARTING IN OCTOBER WITH NOMINATIONS

THIS YEAR WE NEED TO ELECT

ONE TRUSTEE IN NOVEMBER

INTERESTED IN RUNNING?

CONTACT
THE NOMINATING COMMITTEE

NOT TOO EARLY TO START THINKING ABOUT RUNNING

2018 Officers:

President: Brian Lewis, AB8BL ab8bl@wrarc.net

VP: Maureen Stein, KD8NXS kd8nxs@wrarc.net

Secretary: Stan Adamski, KB3WPD kb3wpd@wrarc

Treasurer: Rose Marko, KD8TII kd8tii@wrarc.net

Past President: Bob Mitzel, N8RCM n8rcm@wrarc.net

Trustees:

Darrin Cannon, N8DMC n8dmc@wrarc.net kd8ijf@wrarc.net steve Fabry, KC8SOY kc8soy@wrarc.net

Appointed Positions:

Social: Maureen Stein, KD8NXS

kd8nxs@wrarc.net

Publicity: Joe Wojtowicz, W0JO

w0jo@wrarc.net

Nets: Steve Fabry, KC8SOY

kc8soy@wrarc.net

Classes/Testing: Bob Mitzel, N8RCM

n8rcm@wrarc.net

Newsletter/Web: Jane Avnet K8JAA

k8jaa@wrarc.net

Historian: Rose Marko, KD8TII

kd8tii@wrarc.net

Badges: Steve Fabry, KC8SOY

kc8soy@wrarc.net

Officer's Meeting:

August 14 2018, 7:00 P.M. At Eat 'n Park, Austintown, Eat 'n Park, 5451 Mahoning Ave All members welcome

Members Meeting:

August 21, Davidson's

3636 Canfield Rd., Cornersburgh

Speaker: Sara Churchill from the
Public Library of Youngstown
and Mahoning County



http://www.wrarc.net/

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OTHER IMPORTANT WEB SITES

THE ARRL EXAM SEARCH PAGE

<http://www.arrl.org/find-an-amateur-radio-licenseexam-session>

OHIO SINGLE SIDEBAND NET

<HTTP://WWW.OSSBN.ORG/INDEX.HTML>

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (HAAT) CALCULATOR

HTTPS://WWW.FCC.GOV/MEDIA/RADIO/HAAT-CALCULATOR

WESTERN RESERVE ARC

FROM OUR VP

Greetings all from the sunny, and hot, South. This will be a short article as we are away to take care of our FI. House. We hope to be back by August 20. After many obstacles we were finally able to get underway. The AC went out on the Jeep again by the time we reached Marietta, OH., so while waiting for some freon to be put in, we took the opportunity to try to find someone to talk to on 2M but no luck. No one answered back. We'll keep trying at various times and places and maybe we'll have some better luck. I guess that's the state of things today.

By the time you all read this, the July meeting and work shop on doing public service events will be over. I hope everyone found the work shop helpful. Don't forget our next event is the Panerathon on Sunday, August 26. All those who can help, please contact Joe, W0JO.



Our speaker for the August meeting, on Tuesday the twenty first will be Sara Churchill from the Public Library of Youngstown and Mahoning County to fill us in on the many services the library offers. We hope to be back by then. I am finishing this from our house in Orlando. The house is still standing- LOL- and the AC is working well too. Now if we can just get the other things done this trip, all will be good! Everyone enjoy the rest of summer and we will see you when we get back.

73, Maureen KD8NXS WRARC/VP

A NOTE FROM OUR TREASURER

Hello to all WRARC members. I am starting my article by saying how good or not so good Field Day was. It was good in the sense that the weather cooperated in the fact that there was no rain, but not so good for the number of members who did participate, because it was hard to connect with other Ham Operators on the different band's. All in all, it turned out to be a fair day.

July's meeting was interesting because we conducted a "hands-on" work shop on How to Effectively Do Public Service Events like the Panerathon Race on Sunday, August 26 and the Youngstown Peace Race set for Sunday, October 21. The four main topics to remember when doing any event are: LISTEN to the roll call from Net Control, ANNOUNCE First runner, Last runner, and Emergencies. The roll call will consist of the use of TAC numbers you are assigned to. All other chatter should be prohibited unless for emergencies. If you need to leave the net for a



personal reason, such as a potty break, let Net Control know you are leaving and when you return. If you should see the need to move from your assigned TAC to a different TAC, give Net Control your assigned TAC number and your new TAC placement number. Also, for TAC station assigned at beginning of race, give BIB number of first runner, if possible, so that the other stations know who or what to look for. The same goes for last TAC station assigned to give possible BIB number of last runner. Net Control should also be told when last runner passes by or last car, assigned to the runners, passes by so that Net Control can secure your station.

We hope we can get a lot more club members to volunteer for the Panerathon. We really do need your help, not just for this event, but also for the Youngstown Peace Race.

This month's speaker will be Sarah Churchill, librarian for Digital Services of the Public Library of the Mahoning County. I'm sure she will be very interesting to hear. Come out and join us for this month's meeting. Stay cool and safe throughout the rest of the summer.

73 Rose, KD8TII WRARC/Treasurer

THANK YOU FROM STEVE



CQ to all members of WRARC that came out to help set up. And many thanks to the operators - Bill KD8HCQ, Bob KE8HHH, Bob N8RCM, Roy KD8IJF, Chris W8FU, Darrin N8DMC, Steve KC8SOY, Bob AB8OP, and Roy KD8JMO, I hope I didn't miss someone. Thank You GUYS - these are the true Ham Operators that enjoy their Hobby.

I know there are other members that could not make Field Day this year. Hope to see you next year. I know the weather played a part this year with the rain and hot weather.

Thank you to the VE members that came out Saturday morning. Bob AB8OP, thank you for bringing out your antenna tower, generator and other items. We had a lot of fun setting up the military tower that Bob AB8OP let us use. It was a great

learning experience on how to set up a work of art.

Thanks goes out to Mike KC8UNR, Darrin N8DMC, and Paul KD8DEL for helping Cook the dogs and burgers - great job guys.

Thank You 73 Steve, KC8SOY

THANK YOU FROM YE ED

Just a sort note thanking those of you, who took the time to write an article or take a picture. You are what makes your newsletter a winner, and my job so much easier. Now that I'm not there to participate in all the fun things happening so I can tell you all what a good time I had doing them. I have to rely on all of you to tell those fun stories. Please don't be shy. Those stories are more important than ever. Thanks in advance.

73, Jane K8JAA WRARC/NL Editor



WRARC ELECTIONS IN NOVEMBER

Elections of officers will be held at the November meeting and they will take office at the January meeting. All new elected officers will attend the December and January Board meetings.

NOMINATIONS AND NOMINATING COMMITTEE

The board will select a nominating committee, to be composed of members that are not running for an office. This committee shall have the duty of counting and verifying the votes. This Committee shall be composed of at least 3 members in good standing. The results of the election will be verified by the chairman and presented to the President for announcement.

The head of the committee should be a current board member that is not seeking reelection. They should be members that are quite active and who know the membership well. This group should convene in September and submit a list of qualified candidates to the membership at the October meeting, following this, any nominations from the floor may be accepted after first being seconded by a member in good standing. A member may nominate himself / herself. Any member nominated must accept the nomination.

WHAT'S COMING UP?

Aug. 14	Board Meeting - Austintown Eat 'n Park Members welcome				
	Ham Community Breakfast - Boardman Eat 'n Park				
Aug. 21	Members meeting 7:00 P.M.				
	Speaker: Sarah Churchill, Librarian for Digital Services				
	of the Public Library of the Mahoning County.				
Aug. 28	Ham Community Breakfast - Boardman Eat 'n Park				
Aug. 26	Panerathon - Please Volunteer				
Sept. DTBD	Fall Road Clean up - Please Volunteer				
Sept. 11	Board Meeting - Austintown Eat 'n Park Members welcome				
	Ham Community Breakfast - Boardman Eat 'n Park				
Sept. 18	Members meeting 7:00 P.M. Nominations open				
	Speaker: Bruce Manning NJ3K, retired EMA director from				
	McKean County, Pa.				
	Topic: how early radio and telegraph changed communication.				
Sept. 15	Family Fun Day at Boardman Park - Please Volunteer				
Sept. 25	Ham Community Breakfast - Boardman Eat 'n Park				
Oct. 09	Board Meeting - Austintown Eat 'n Park Members welcome				
Oct. 16	Members meeting 7:00 P.M Run for an office				
Oct. 21	Youngstown Peace Race - Please Volunteer				
Nov. 13	Board Meeting - Austintown Eat 'n Park Members welcome				
Nov.20	Members meeting 7:00 P.M ELECTIONS				



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



Beatty, Dave KC8WY Fabry, Steve KC8SOY Haren, Roy KD8IJF Williams, Russ NR8W Wojtowicz, Joe W0JO anything

Yaesu FT8900, FT8800, Mobile

???

Electrician, tele-data, Amateur Extra

ICOM radios, D-Star

kc8wy@zoominternet.net kc8soy@yahoo.com harens@juno.com rwiliams@neo.rr.com w0jo@arrl.net

He who is afraid of asking, is afraid of learning

Used with permission

Articles from members for the Wave Bender are encouraged. They must be received by the editor by the 20th each 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, 1440 Skyhawk Pl., Wright City, MO 63390

Join us for the WRARC Friday night Net 9:00 P.M. KD8DWV - 145.270, PL -110.9 Upcoming Net Control Operators

Aug. 02	Dennis KA8DJM
Aug. 10	This could be you
Aug. 17	Rose KD8TII
Aug. 24	Roy KD8IJF
Aua. 31	Maureen KD8NXS

September This could be you October This could be you

If you don't see your name on this list Contact Steve, KC8SOY to take a turn at Net Control 330-774-6346

WRARC Simplex Frequency 146.565

Mahoning County ARES® Nets
1st Monday 8.40 PM ET W8QLY Repeater - 146.745 (PL 110.9)
&

3rd Monday 8.40 PM ET W8QLY Repeater - 146.745 (PL 110.9)
ARES thanks 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

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, W5YI, the ARRL and the World-Wide Web.

PANERATHON - AUGUST 26

Together with 11,000 participants and spectators, our sponsors and community supporters raised \$410,000 through the 2017 Panerathon.

To date, the Panerathon has raised more than 2 million dollars for the Mercy Health Foundation Mahoning Valley in support of The Joanie Abdu Comprehensive Breast Care Center, JACBCC, at St. Elizabeth Hospital, the first comprehensive breast care center in the Youngstown area.



The Panerathon is a 10K run and a 2 mile fun run or walk, on **August 26**, which also includes a kids run. Those who sponsor and/or participate in Panerathon will be saving lives!

HOW PANERATHON SUPPORTS THE JACBCC



All proceeds for Panerathon support Joanie's Promise Fund at the Mercy Health Foundation Mahoning Valley. Funds raised through Panerathon made possible a state-of-the-art mobile mammography unit that has been operational since September 2016. It is the first mobile unit in eastern Ohio to offer 3D mammography, which allows for a more thorough breast examination. There are approximately 24 sites serviced a month throughout the tri-county area by this unit, and from September 2016 to December 2017, over 1,700 exams were performed.

WHAT IS JOANIE'S PROMISE?

Joanie's Promise is that ALL women will have access to the Joanie Abdu Comprehensive Breast Care Center. Therefore, screening expenses are covered for any woman who qualifies financially. Also, transportation will be provided for any woman who requires it.

In short, Joanie's Promise will ensure that every woman in the Mahoning Valley is aware of, able to get to and is welcome at the JACBCC

Through education and screenings, breast cancer rates in the Mahoning Valley will be reduced. We will not have the fourth highest breast cancer mortality rate in the country.

mercy-health-bus

"Through my ears, Joanie hears the voices of grateful women for the care they will receive in this magnificent facility. Through my eyes, she sees the reality of what once was only a dream. Through our souls, we both see the beauty, the love, the compassion and the generosity of a caring community that has made that dream come true. We are, and will always be, eternally grateful.",

Use Your License to Serve the Community - Volunteer

MAYBE THIS IS YOU?

Could YOU be the one I'm looking for? This is the editor of YOUR Newsletter. We have plenty of room for YOUR article(s)! If something is of interest to you, odds are that we all will enjoy your thoughts and activities! Have a favorite radio? Have some reminiscing to do? Maybe you have a question for one of our Elmers. OR, a Tip or Trick you learned that would help one of YOUR WRARC friends. You are warmly invited to contribute! Don't worry about writing or formality - we can help you with that. Your article could go in this spot, or one bigger, next month!!



OPPORTUNITIES TO VOLUNTEER

Our area's largest local community charitable fund-raising event, the Annual Panerathon, www.panerathon.org, sponsored by Covelli Enterprises, Inc., is fast-approaching. The event itself is ideal for Amateur Radio Operators because it benefits the local community and, due to the long distances involved, many licensed Amateur Radio Operators are needed along the route to be the "eyes and ears" for the event organizers and first responders.

This year's event is scheduled for Sunday, August 26, it will be the 5th year that local Amateur Radio Operators are assisting with the event. We are inviting all area licensed Amateur Radio Operators to participate regardless of any local Amateur Radio club affiliations or not.

Last year, there were over 11,000 participants and over \$410,000 was raised.

Since their first year, more than 2-million dollars has been raised by the event for the Mercy Health Foundation-Mahoning Valley in support of The Joanie Abdu Comprehensive Breast Care Center at St. Elizabeth Hospital, the first comprehensive breast care center in the area.

Local participation and the funds raised are increasing every year and this year the event organizers are expecting another record turn out and funds raised. The Panerathon is a 10K run and a 2-mile fun run or walk, which also includes a Kids run.

If you are a licensed Amateur Radio Operator and can spare about 4-hours of your time that day, we'd love to have your help. Because the route is long, we need to know well before the day of the event, who is going to volunteer so we can designate where, on the course, we will place our radio operators for maximum coverage.

As we get closer to the day of the event, we will contact all our volunteers with more information. You can either call me at (330) 544-5865, or email at w0jo@arrl.net (that's W-Zero-J-O@arrl.net.) If you're using email, please include your full name, callsign, mobile phone number, and T-shirt size. Thank you for your consideration.

73 Joe, W0JO



YOUNGSTOWN PEACE RACE

Youngstown Peace Race 10K & 2 mile Run Oct 21, 2018 9:30 AM EDT Mill Creek Park

The Peace Race is not your ordinary Midwest road race. The Peace Race has attracted runners from all corners of the globe since its inception in 1975. The Peace Race is a USATE certified course.



The Location:



Enjoy the fabulous fall scenery at the setting of the Peace Race's course in Mill Creek Park.

Peace Race Charities:

Proceeds from the Youngstown Peace Race benefit several area charities, including:

- Akron Childrens Hospital
- · St. Vincent DE Paul Society
- Rescue Mission of the Mahoning Valley
- YMCA's Partner in Youth Program
- Farhaven School/Special Olimpics
- · The Beatitude House

Amateur Radio Operator "Amateur means we're simply professional volunteers" ARRL reflector

HAUNTED HAYRIDE COMING IN OCTOBER

OK, it is now time to start thinking about getting out the long-johns, and the HTs out of their boxes, check and charge those batteries, and go out into the woods. No, we are not going hunting for deer or rabbit. We are going out after creepy people. Now these creepy people will be hiding in Boardman Park. Yes, in Boardman Park! They are there after the little kids that go out on those October weekends to have fun in the woods by scarring people while on the Haunted Hay Ride.

The Haunted Hay Ride is a fund riser for the 4H kids in Mahoning County. It runs for three week ends in October. (One night there'll also be pumpkin carving contest for the kids). NO SUNDAYS!

We usually meet at the log cabin at 6:00 p.m. - at that time we see where , in the woods, volunteers will be stationed. Now if we have a lot of volunteers, then you can be with someone. If you want - YOU can scare the riders along with the kids.

I hope that people will volunteer and join the fun. Yes, we do have fun, even if it's cold. (Nice thought!)

73 to all, Bill Egan, KD8HCQ 330 565-4342

Use Your License to Serve the Community - Volunteer

TACTICAL CALL SIGNS

Tactical call signs are typically used in times of emergency/disaster and public service events. Some amateur radio team leaders use them regularly and some do not use them enough. I will tell you they are a great tool for any event. They are clear, concise, and to the point. They rarely ever change.

Net Control is a tactical call sign. Water Stop 2 is a tactical call sign. Mobile 1 is a tactical call sign. Emergency Operations Center (EOC) is a tactical call sign. Some tactical call signs are referred to by their geographic location such as a street name.

The neat thing about the tactical call sign is the station will be the same but the operator may change several times during an event. For instance, when I was at Hurricane Katrina, one of the places I was stationed was the Hancock County EOC. Tactical call sign was Stennis. Reason, the EOC was located at Stennis High School.

Each of the Points of Distribution (PODs) was also assigned a tactical call sign such as McDonald Field or Waveland. All these locations had several operators during Hurricane Katrina. But the tactical call sign remained the same regardless of who was operating the station.

Meeting FCC requirements.

Your amateur call sign should be used at the end of an exchange or every ten minutes to satisfy FCC regulation 97.119. This is easily satisfied by terminating an exchange with your tactical call sign plus your FCC assigned call sign.Example: "Net Control, this is Finish Line, over." "Finish Line, Net Control, send your traffic, over." "Net Control, this is Finish Line, the last runner has crossed the finish line. KA0XTT, out."

Note that participation in a formal net is considered one continuous exchange. This means that NCS will notidentify at the end of every exchange, but will do so at least every ten minutes. However, you need not identify every 10 minutes if you have not transmitted since the last time you identified.

73 de Matt, W8DEC

TACTICAL CALL SIGNS -- HOW, WHY AND WHEN?

Tactical call signs, when used properly by well-trained and practiced operators, can prevent confusion, save a great amount of time, and also aid in making a net or operation run smoothly and efficiently. When used improperly, or with poorly-trained and inexperienced operators, they will usually cause delays and confusion.

Typically, "tactical call signs" are used during disaster or other emergency situations to identify a specific location or a function. They are especially helpful when multiple operators are being rotated (in shifts) at stations such as a shelter, a net control station, or for a certain job/position (e.g. - logistics or "tech support") which may be a mobile unit.

Tactical call signs are also appropriate in regular (daily or weekly) public service, traffic and other nets. Properly used, they provide training, practice and experience. They are more commonly used on 'phone nets, but also can save time on CW nets.

In the very early days of radio communication (all Morse) they were rarely needed since call signs often consisted of just two or three letters. Now that call signs are much longer, the use of tactical call signs make a lot of sense. The use of tactical call signs can be very helpful if "mutual aid" has been invoked and operators with call signs that may be unfamiliar to "locals" arrive in an affected area. For example: A station identifying as "Riverdale EOC"* is immediately known as to where and what it is by everyone on the net or arriving in an area, regardless who is the operator on duty. Likewise, stations in the field who want to contact the "Riverdale EOC", can simply say: "Riverdale EOC", and not have to worry about remembering the FCC call sign of the operator.

ONE COMMON MISTAKE (often heard) is an operator identifying with the station's tactical call sign and then says his or her own call sign. Example: "Riverdale EOC KJ6ERK". This is unnecessary and defeats the whole purpose. Amateur operators only need to identify with their FCC-assigned call sign at the end of a transmission when they do not expect to transmit again within ten minutes and at the end of their shift assignment. (Ref. FCC part 97.119) ALSO, it is redundant and unnecessary to say, "for ID". Saying your call sign IS your "ID!"



KD8YMK N8RCM KB3KQY



Mark Stein Bob Mitzel Scott VanDerWal

To see your Birthday posted make sure I have your special month - ed.

GENERAL COMMUNICATION GUIDELINES FOR WRARC PUBLIC SERVICE EVENTS

BEFORE THE EVENT:

- 1. Most important: Be Sure That Your HT Batteries Are Fully Charged and You Have a Spare or Alternate Source of Power.
- 2. Become familiar with your radio: how to change frequencies, set PL's, operate simplex, etc. It's a good idea to take along your operator's manual.
- 3. Make up a bag or carrier for your gear to include spare batteries, coax, small tools, sun screen, a hat, extra antenna, charger, paper and pencil, event maps and station assignments, sunglasses, and other equipment that you may need
- 4. Plan to arrive at the event at least 1/2 hour early. This will ensure that you will arrive on time avoid being late due to traffic or other problems.
- 5. When you arrive at the site, check with the coordinator or Net Control Operator for your assignment even if you were preassigned a station (there may have been some last minute changes).
- 6. When you arrive at your station, check in with Net Control to assure that your radio is working and you are able to communicate with them.
- 7. If you are unable to reach Net Control first check the frequency display on your radio when you push the PTT switch. You may not have set the offset (+ or simplex) switch to the proper setting. Then check to see if the frequency lock switch may be on.
- 8. If you are still unable to contact Net Control, ask if someone can relay for you. Move around if necessary, change batteries or antennas. As a last resort, return to Net Control.
- 9. Wear comfortable clothes and shoes appropriate to the weather. It's always a good idea to wear a hat.
- 10. Please keep the frequency clear at race start time except for Net Control and the Station assigned to signal the start of the race.

DURING THE EVENT:

- 1. ALL communications must go through Net Control. If you feel that it is necessary to communicate station to station, please ask Net Control for clearance before you do it.
- 2. If you must conduct communications not related to the event, ask Net Control if it's OK to go off frequency for a moment to complete your communication. Do not conduct unrelated communications on a Net Control frequency. If you go off frequency, let Net Control know when you leave and when you are back on frequency.
- 3. If you need to leave the net for personal reasons, i.e. a potty break, let Net Control know you're leaving. Reason not necessary. Let Net Control know when you are back on your station.
- 4. Station to station communications must be held to a minimum to assure that Net Control discipline is maintained
- 5. Monitor the frequency continuously, it may get boring out there but if you are needed, it's extremely important that Net Control is able to contact you. At the end of the event, do not leave your station until Control tells you to secure it.
- 6. During an event, station identifiers (tactical signs) such as "Station 2" are often used when communicating.
- A. If special identifiers are used they must be followed with an appropriate FCC identifier after the communication is complete. For example, if you are at station two: "This Is Station Two With Traffic." After your traffic is passed, clear with your call sign.
- B. Always listen before calling Net Control. Net Control may be busy with another station.
- C. It is only necessary to give your call sign at the end of your traffic or in the unlikely event that your traffic is very long then it's only necessary every ten minutes.

 Continued page 12

 Continued page 12

GUIDELINES - CONTINUED FROM PAGE 11

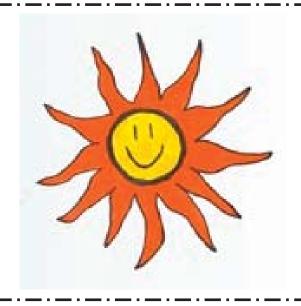
- D. It is important to keep transmissions brief.
- E. Station duties are assigned as the event is planned and will be given to you in either written form are in some cases verbally just before the event starts. In general the following are typical duties:
- a. Notify Net Control of any injuries observed or reported to you. Be ready to report all information to Net Control: Location' Nature of injury, Service needed (i.e. paramedic, first aid, transportation, etc.)
- b. Major Injuries Should Be Reported Right Away Even as They Are Occurring. Call Net Control and say "EMERGENCY station (your tactical call sign)." Other stations will stand by. Pass your traffic quickly, concisely but don't rush. Give the net control operator time to copy it.
- c. Those assigned to Mobile stations will ride along and pass emergency or other traffic as requested by the driver or Net Control. A handheld radio is essential and, if possible, an outside (may-mount) antenna.
- d. Be ready to pass traffic to and from the organizers and Net Control. It is permissible to initiate third party traffic occasionally to let them talk directly to each other. Always clear this with Net Control first!

RELAX, ENJOY YOURSELF AND ALWAYS LOOK FOR AN OPPORTUNITY TO PROMOTE AMATEUR RADIO

Lessons learned from 10-years experence as Public Service Coordinator for the ARRL Orange Section SoCal - K8JAA

Want a challenge? Volunteering is an excellent way to test out your mettle, and find out how good your equipment is.

Everyone should try their hand at volunteering for a Public Service OR Community Service activity.



Monthly
Ham Community
Breakfast
Second and Fourth
Tuesdays
9:00 A.M.
at Boardman
Eat"n Park
Join Us!

A WORD FROM OUR EQUIPMENT MANAGER

Let me ask you a question or two . . . Are you an Amateur Radio Operator? Do you belong to the Western Reserve Amateur Radio Club (WRARC) and do not yet own a radio? Did you know that we have donated equipment that you can check out for 90 days at a time?

WRARC has the following donated equipment for members only to check out:

- · Alinco Handheld DJ-195T
- Baofeng Handheld UV-5R Plus (three in inventory)
- · Kenwood 2m Transceiver TM-281A
- MAX-RAD Mag Mount Antenna OPEX AM-1043 (two in inventory)
- MFJ Switching Power Supply MFJ-4225MV
- Quancheng Handheld TG-UV2
- Wouxun Handheld KG-UVD1P
- Yaesu VHF FM Transceiver FT 2600 M (two in inventory)

What do I need to do to check out a piece of equipment?

That's as EASY as printing out a short check out form, contacting me, Darrin Cannon, N8DMC by visiting our web page at <www.wrarc.net/> under the Members only tab. I can also email you the form. Once you have contacted me via e-mail, I will have the equipment ready for you to pick up at our next club meeting. The only thing we ask you to do is USE IT AS MUCH AS POSSIBLE during those 90 days. We need to keep our repeaters in use. If we don't, there is always potential of certain bands to go away within the hobby. There are several out there to get on, specifically WRARC uses the repeater owned by KD8DWV Liz Beatty, on 145.270 with a minus offset and a PL of 110.9. This is also where we check in Friday nights at 9:00 P.M. So please don't let your excuse be that you don't own a radio right now. Western Reserve Amateur Radio Club has you covered!

(Reminder from N8DMC's recent email on 7/18/2018)

We Are Taking Club wear Orders !!!

N8DMC is now accepting club wear order forms up until 8/1/2018

Please contact Darrin at (330) 720-4454 or shoot me an email: N8DMC@wrarc.net and we will get you squared away.

73 for now . . . Darrin Cannon, N8DMC WRARC /Trustee

ARE YOU SOMEONE?

A lot of folks are nodding with their eyes wide open at the idea of the direction that Ham Radio is going. Unless we do something to increase and promote our value, our hobby/service will cease to exist. Do those nods mean that they are agreeing that SOMEONE needs to do SOMETHING to help promote our value to the world? Or, are they simply waiting for SOMEONE else to do it?

What is the value of Amateur Radio? It seems to me that; other than monthly meetings, we don't have much of value to brag about. It seems to me that, in the last ten or so years, Hams won't participate in Public Service events, or openly offer to mentor a new Ham with some good operating practices sessions; or extend a friendly hand to members of other Clubs in our area. I'm reminded that some of us do participate in Field Day and Public Service Events, but it seems to me, that the same few Hams participate in those events. SOMEONE was missing.

I hear stories that we could be very active in our community; emergency communications and public service events, run for a club office, ham classes, social breakfasts, and fun and informative meetings. So what's going on? It seems to me that SOMEONE needs to look up while they're brushing their teeth, and decide that SOMEONE needs to do SOMETHING to get Hams back on that path of value.

73, T Rube

DHS OFFICE OF EMERGENCY COMMUNICATIONS

"AUXCOMM" is an umbrella term and acronym for "auxiliary communications." It was developed by OEC in 2009 with the assistance of amateur radio subject matter experts. The concept behind the acronym was to educate as many amateur radio entities to work and train with public safety personnel, understand the value of the National Incident Management System (NIMS) Incident Command System (ICS) concept and the role of the communications unit leader (COML). AUXCOMM, although not an official national ICS position as of yet, is most often identified as a Technical Specialist (THSP) in the Communications Unit of the NIMS ICS structure. A few states have endorsed AUXCOMM as an official position within their state NIMS/ICS structure. The process on how this can be accomplished is described in the FEMA NIMS: Guidelines for the Credentialing of Personnel, August 2011 and FEMAs Type 3 All-Hazard Incident Management System Qualification Guide, dated September 2010.

OEC subsequently developed the AUXCOMM technical assistance workshop and produced the Auxiliary Field Operators Guide. This guide and other OEC products are available at http://www.publicsafetytools.info/. The TRG-AUXCOMM (again, another Federal acronym for the course designator) is designed to educate amateurs and state officials involved with volunteer groups they could expect in an emergency operations center environment. The AUXFOG is a reference guide for the amateur radio emergency communications community. To date, the OEC AUXCOMM course has been taught 105 times with over 1,300 amateur radio operators trained.

AUXCOMM

I want to take just a second and say "Congratulations" to all of those who took the time right before Dayton Hamvention to take the Auxcomm training that was offered. I'm sure that there are some names on this list that you will quickly recognize.

Auxcomm Roster May 15-17, 2018 Beavercreek OH

Andy Bodnar, KA2VXA
William Bowers, KX4HZ
David Brett, KD8NZF
Nancy Brett, KD8QNY
Gordon (Stan) Broadway, N8BHL

Gary Clark, KC8TND Clifford Collins, KB8WNO

Shawna Collins, N2TUJ

C. Matthew Curtin, KD8TTE

Buzz Dean, W6BZZ

Michael DeMita, KA2DUT

Robert Flory, KA5RUC

Glenn Gombert, KD8TSR

Terry Holden, KD8YFW

Robert (Tim) Kemerley, KD8UQI

Edmund Liddle, KE8ANU

Karen Linnenkohl, KE8HXD

Richard Pierce, KD8PFN

Oscar Resto, KP4RF

Daniel Rinaman, AC8NP

Henry Ruminski, W8HJR

Alan Scott, N9BAC

David Sharp, NU8H

Michael Stern, KB7THL

Ray Stevens, KB9LGS

Nick Valentine, KD8EUP

Michael B. Wilson, KG7QZF



73, Scott, N8SY.. Scott Yonally, N8SY Section Manager - Ohio

UPCOMONG ELECTIONS

Are you interested in serving as an officer for WRARC? If so, please let your interest be known to the nominating Committee. To run for an office. The flection process starts in September -

From the Bylaws (posted on the WRARC website http://www.wrarc.net/)

. A Full member must have been a member for one (1) year and attended a minimum of nine (9) meetings in order to have the right to hold an organization's office. Full membership includes all organization privileges.

To serve on the Nominating Committee from the Standard Operating Procedures (SOP) posted on the WRARC website http://www.wrarc.net/:

NOMINATIONS AND NOMINATING COMMITTEE

The board will select a nominating committee, to be composed of members that are not running for an office. The head of the committee should be a current board member that is not seeking reelection. They should be members that are quite active and who know the membership well. This group should convene in September and submit a list of qualified candidates to the membership at the October meeting, following this, any nominations from the floor may be accepted after first being seconded by a member in good standing. A member may nominate himself / herself.

The nominating committee will also have the duty of counting and verifying the votes. One person will read each ballot out loud while another member watches. One person will tally the votes while another watches. The results of the election will be verified by the chairman and presented to the President for announcement.

The WRARC office which need to be filled is one Trustee. If you like a challenge, run for Trustee because you never know what job will come your way. Contact the nominating Committee if you want to run. No nominations will be accepted if the person nominated is not willing to run. Nominations will be taken from the floor at the September and October meetings. Re member our elections are in November and the new Trustee will take office in January.

Taken from the SOP - **Duties and Responsibilities of Trustees**: The Trustees shall be responsible for all club equipment. They should be able to tell the board and membership where and who has what. They are to take on any special task asked of them.

From the Bylaws:

Sec. 4. The Trustees shall audit the financial reports, records, and statements of the Treasurer in December of each year and shall report to the membership the results of such audits. The Trustees shall also take inventory of any organization owned equipment or supplies in December of each year and shall report to the membership the results of such inventory.

FREEDOM ISN'T FREE

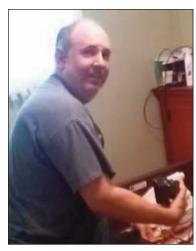




KD8YMK N8RCM KB3KQY Mark Stein Bob Mitzel Scott VanDerWal



To see your Birthday posted make sure I have your special month.



HAMS HELPING HAMS

Ham Radio at it's best - helping another Ham get things operating.

Ray K8NVY, is having a great time now that everything is working. He just made contacts in Hawaii and California with his eagle one. Thanks to Roy, KD8JMO, Mike, KC8UNR, Darrin. N8DMC, and Steve, KC8SOY, for their help, and to Ray's wife for allowing us into their home.

This is what Ham Radio is all about - helping others in need, being an Elmer!

The more you learn what to do with yourself, and the more you do for others, the more you will learn to enjoy the abundant life.

Wiliam Boetcker

CQ- History and Usage

CQ is a code used by wireless operators, particularly those communicating in Morse code, (-.-.-.-.-), but also by voice operators, to make a general call (called a CQ call). Transmitting the letters CQ on a particular radio frequency is an invitation for any operators listening on that frequency to respond. It is still widely used in amateur radio.

The CQ call was originally used by landline telegraphy operators in the United Kingdom. French was, and still is, the official language for international postal services, and the word sécurité was used to mean "safety" or "pay attention".[citation needed] It is still used in this sense in international telecommunications.[citation needed] The letters CQ, when pronounced in French, resemble the first two syllables of sécurité, and were therefore used as shorthand for the word. It sounds also like the French "c'est qui?" which in English means "who's there?". In English-speaking countries, the origin of the abbreviation was popularly changed to the phrase "seek you" or, later, when used in the CQD distress call, "Calling all distress".

CQ was adopted by the Marconi Company in 1904 for use in wireless (spark) telegraphy, and was adopted internationally at the 1912 London International Radiotelegraph Convention, and is still used.

A variant of the CQ call, CQD, was the first code used as a distress signal. It was proposed by the Marconi Company and adopted in 1904, but was replaced between 1906 and 1908 by the SOS code. When the Titanic sank in 1912, however, it initially transmitted the distress call CQD DE MGY, MGY being the ship's call sign. (Titanic's radio operator alternated between SOS and CQD afterwards.)

In amateur radio usage, a CQ call can be qualified by appending more letters, as in CQ DX (meaning "calling all stations located in a different continent to the caller"), or the ITU call sign prefix for a particular country (e.g. CQ VK for "calling Australia"). The originator of the call can be identified by appending the letters DE (French for "from", also means "this is...") and the call sign of the transmitting station.

In the use of single-sideband (SSB) voice or CW mode (morse code telegraphy), an amateur radio operator often makes a general call by transmitting CQ repeatedly (such as "CQ CQ CQ") so that other operators scanning for such calls are aided by the familiar rhythmic sound in quickly discriminating distant (weak signal) general callers from other traffic and spurious emissions. This technique allows the other operators to zero-in as close to the caller's center frequency using the human ear to fine-tune his transceiver before engaging the caller in a two-way communication.

The use of a CQ call is almost always used in single-sideband (SSB) voice or CW mode (morse code telegraphy). Unlike FM mode, in the SSB voice and CW mode areas of the amateur radio bands are operators free to center their transmissions where it is most optimal (such as away from adjacent traffic that can interfere) and not expected to use whole-number, divisible-by-five, or otherwise channelized center frequencies. CQ is constantly used on the HF shortwave amateur bands but very rarely used in the FM voice mode of transmission or on FM repeaters common on the VHF and UHF local bands since tuning of a repeater or FM signal does not require the aid of human perception to perfectly tune the signal. The code was used as part of the chorus to the song "Communications" by Slim Gaillard.

FROM ARRL HQ

ARES TRAINING

Hello everyone,

As many are aware the ARES committee for the ARRL has recommended that training requirements be changed and adopted. Most of the training is already in place and can be done from your computer at home without taking time from your job.

Part of the training that is not currently in place is the ICS 300 and 400 courses to hold a leadership position in ARES. These courses require you to he in a classroom for a total of 5 days (3 for 300 2 for 400)

Several Section Managers, section Emergency coordinators and Myself are against adding this requirement due to the cost and the fact that ARES personnel in an emergency commission situation will not be in charge of the disaster. This goes beyond the scope of our MOU's of PROVIDING COMMUNICATIONS.

We have all voiced our concerns to Midwest Director Rod Blocksome and other directors through our the different divisions.

Director Blocksome was unaware that there was a cost as far as the course and in taking off work to get the classes even when they are available.

The directors will vote on this issue this week and the outcome is uncertain as to whether it will go thru as is, go thru with changes as to what the requirements will be or to just leave it as is. I don't believe it will be left as is.

I will update everyone as information becomes available this week.

73, Cecil AARL Missouri Section Section Manager: Cecil B Higgins, AC0HA ac0ha@arrl.org

HAM RADIO TECHNOLOGY USED IN THAILAND CAVE RESCUE

UK radio amateur John Hey G3TDZ (SK) designed the special low frequency radio equipment, the Heyphone, used in the recent cave rescue in Thailand

On Facebook Phil Karn KA9Q posted:

Naturally I got interested in the technical aspects of the cave rescue in Thailand, particularly communications. They used the "Heyphone", a voice radio designed by a UK radio ham, John Hey, G3TDZ, as open-source hardware specifically for cave rescues. It uses upper (single) sideband voice on 87 kilohertz in the VLF (very low frequency) band. (That's what it says -- 87 kHz is actually LF).

The "antenna" consists of two stakes driven into the ground about 20m apart. Enough of the current between them fringes outward to couple to another antenna up to a few hundred meters away (or down).

John Hey passed away in 2016 so he didn't get to see his work used here. But ham radio should get some of the credit.





KEEP NON-AMATEUR SATELLITES OFF AMATEUR SPECTRUM

To all radio amateurs **ARLB013** - ARRL wants the FCC to facilitate bona fide Amateur Satellite experimentation by educational institutions under Part 97 Amateur Service rules, while precluding the exploitation of amateur spectrum by commercial, small-satellite users authorized under Part 5 Experimental rules. In comments filed on July 9 in an FCC proceeding to streamline licensing procedures for small satellites, ARRL suggested that the FCC adopt a "bright line test" to define and distinguish satellites that should be permitted to operate under Amateur-Satellite rules, as opposed to non-amateur satellites that could be authorized under Part 5 Experimental rules.

"Specifically, it is possible to clarify which types of satellite operations are properly considered amateur experiments conducted pursuant to a Part 97 Amateur Radio license, and [those] which should be considered experimental, non-amateur facilities, properly authorized by a Part 5 authorization."

ARRL said it views as "incorrect and overly strict" the standard the FCC has applied since 2013 to define what constitutes an Amateur Satellite, forcing academic projects that once would have been operated in the Amateur Satellite Service to apply for a Part 5 Experimental authorization instead. This approach was based, ARRL said, on "the false rational" that a satellite launched by an educational institution must be "non-amateur" because instructors were being compensated and would thus have a "pecuniary interest" in the satellite project. ARRL said well-established Commission jurisprudence contradicts this view.

ARRL told the FCC that justification exists to expand the category of satellite experiments conducted under an Amateur Radio license, "especially those in which a college, university, or secondary school teacher is a sponsor." But, ARRL continued, a compelling need exists to discourage Part 5 Experimental authorizations for satellites intended to operate in amateur allocations by non-amateur sponsors, "absent compelling showings of need."

"There is no doubt but that Amateur Radio should be protected against exploitation by commercial entities, and there should be a compelling justification for a Part 5 Experimental license issued for a satellite experiment to be conducted in amateur spectrum," ARRL said. "A defining criterion for this latter category should be that there is no other spectrum practically available in lieu of Amateur Radio allocations."

ARRL noted that International Amateur Radio Union (IARU) policy regarding satellites operated in Amateur Radio spectrum is only to coordinate satellites where licensees and control operators are radio amateurs and having a "mission and operation" consistent with the International Telecommunication Union (ITU) Radio Regulations' definitions of the Amateur and Amateur-Satellite services.

Resolution 659, adopted at World Radiocommunication Conference (WRC) 2015, included protective language against non-amateur satellites operating in Amateur-Satellite spectrum, and the exclusion of any amateur bands from spectrum that might be considered at a future WRC for allocation to the Space Operation Service.

IARU announced in 2017 that it would no longer coordinate non-amateur satellite operations and adopted new satellite frequency coordination guidelines. Under that policy, educational and university satellites may be coordinated only when an identified amateur component exists, and the mission is to teach and train students in satellite communication and building and launching satellites. The individual responsible for the satellite's communications must be an Amateur Radio licensee. IARU will also continue to coordinate space stations operating under an amateur license and having "a clear amateur mission," as well as satellites where a licensing administration directs the use of an amateur band.

ARRL asserted that incorporating Amateur Radio in experiential learning using small satellites - e.g., CubeSats - is good for Amateur Radio, for students, and for the advancement of technology, and it urged the FCC to adopt a regulatory paradigm that encourages this approach.

AMSAT-NA also filed comments in the proceeding. The AMSAT remarks reflect several of the same concerns expressed by ARRL, including the suitability of authorizing certain satellites built by universities and non-profit organizations in the Amateur Satellite Service, and expressing opposition to satellites licensed as experimental under FCC Part 5 rules operating in the Amateur Satellite bands. Interested parties may file reply comments in the proceeding, IB Docket No. 18-86, by August 7, 2018.

COMMUNITY SERVICE EVENT - NEXT MONTH

The road cleanup on Route 446 our adopted highway in Canfield will be in September, check with Brian for the date. We usually meet at the Bob Evans on Rt 224 at 8:30 A.M. for breakfast. We then meet, around 10:00, across from the fairgrounds where 46 and 446 meet to get our vests and bags. Will need 8 to 9 volunteers. Our cleanup area is just short of 2-miles.

Guide-lines for Highway Cleanup

What to wear

- 1. Dress for the weather
- 2. light colored clothes
- 3. a safety vest (supplied by ODOT)
- 4. work type shoes
- 5. heavy gloves
- 6. hat & long sleeved shirt
- 7. bring a bottle of drinking water
- 8. if you have a pick up device, bring it

Parking your car:

- 1. a least 10 feet from traveled surface, we also can park inside the fair grounds.
- 2. cars along side highway should leave their 4 way flashers on.

Safety:

- 1. work facing traffic
- 2. work daylight hours only
- 3. before starting be sure signs are posted correctly
- 4. do not wear headset radios, iphones, or tape players
- 5. do not pick up items from traveled portion of highway
- 6. do not pick up heavy objects
- 7. do not pick up roadkill

Other:

- 1. ODOT will provide trash bags
- 2. ODOT will provide safety vests (which must be returned)
- 3. ODOT will pick up filled trash bag after we are done

A complete copy of the Safety breifings wll be available to each of you on Saturday. See you at Canfield Bob Evans that morning. This will be a good event for our environment and will be fun for all. We should be finished around 11:00 AM. For the Rain Date and to Volunteer, contact Brian, AB8BL..

That you may retain your self-respect, it is better to displease the people by doing what you know is right, than to temporarily please them by doing what you know is wrong

William J. H. Boetcker

JUST FOR FUN

Can you find the C? (Good exercise for the eyes!)

Once you've found the C......

Find the 6!

Once you've found the 6...

Find the N! (it's hard!!)

PICTURES FROM FIELD DAY



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August 2018 PREPAREDNESS LEADS TO READINESS - MATT W8DEC



•		-				
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	4 International Hangover Day
5	6 ARES Net 8:30 PM 146.745 PL 110.9	7	8	9	WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	11
12	13	14 Ham Breakfast Eat'n Park Boardman 8:30 A.M. Board Meeting Eat'n Park Auatintown 7:00 P.M.	15	16	WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	National Honey Bee Awareness Day
19	20 ARES Net 8:30 PM 146.745 PL 110.9	WRARC Meeting 7:00 P.M	22	WaveBender Input Due	24 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	25
26	Just Because Day	Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast	29	30	31 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	

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