



The
Wave Bender
October 2019
AWARD WINNING NEWSLETTER

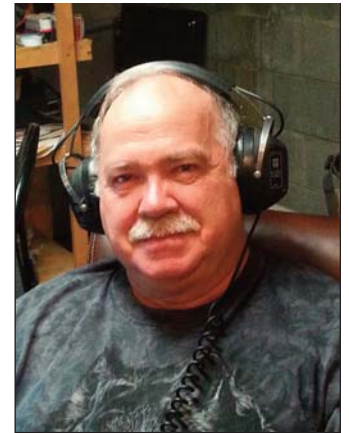


WRARC PREZ PRO TEM

Another month has come and gone, and fall is around the corner. This past month has brought some good times, and some bad ones also.

We lost a Friend and Founding Member this month, and Dave will be missed greatly for his many contributions to our club and ham radio in general. But even more important than that, I lost a friend, Dave and I had spoken not long before he passed, and one of the things we talked about was different times we had disagreed. We laughed and also agreed that no matter how mad we got or how much we disagreed at the end of the day we were still friends. I had no idea how much that simple statement would mean to me in the near future.

We had spoken on the Sunday of the Panerathon and he called me and said he had been getting calls from people concerned the race had been canceled because nobody heard the usual going back and forth on the radio. I assured him that all was fine, and the reason there was no chatter was everyone was finally getting the message to wait for net control to get set up and do roll call and not incessantly keep calling in. He laughed and said he was going to make an announcement that all was well and the race would start soon. Little did I know that was the last Dave and I would talk, but he was happy the repeater was being used as he wished for it to be. Please Keep Liz and Dave's family in your thoughts and prayers, we have all lost a friend.



I will now move ahead and say I am happy to report we had a very nice Panerathon, and I received many comments from those running the race, to those producing the race and other groups involved. Everything was smooth and professional and we have been asked already to participate again next year, My thanks to everyone that helped make this another feather in The Western Reserve Radio Clubs cap.

By the time you read this we will have already met with the Youngstown Marathon group and be firming up our plans with them, they consider us a valuable asset to their group and I am sure we will keep proving them right. We will need volunteers for the race route, and as in past years club membership is not required to come and enjoy the fun, all licensed hams are welcome.

A final reminder, we will be starting the nomination process for the elections coming up in November, this is your chance to become part of making our club great for future ham radio operators, take advantage of it and take a leadership position!

Once again, my thanks to all those that make our club great.

73 Bob, N8RCM



I wanted you all to know that what we do does indeed make a difference, not only to the race organizers, but the participants as well - KD8NXS.

FROM OUR VP

Hello, All. Here we are in the busy month of October. First, I would like to pay tribute to Dave Beatty KC8WY, the owner of the repeater that we all use individually and for the club. Dave was a founding member and contributed so much to WRARC, not only for the repeater, but for mentoring many of us when we were new. I know for many of us, including me, when we first got licensed and got brave enough to go on to the repeater to talk, Dave was often the one to answer back and give us some guidance and advice. He will be greatly missed. We all extend our heartfelt condolences and caring concern to Liz and the rest of their family.



As I mentioned above, this is a busy month. We have our final two WRARC Sponsored Public Service Events and the Haunted Hayrides. Please plan to come out for these events. The first public service event this month will be the Peace Race on Sunday, October 13, 2019. We are covering the 10K race that kicks off at 10:00 A.M. We will gather at the Fellows Riverside Gardens back parking lot at about 7-8:00 A.M. then go out to our individual assigned tactical call station locations. At each site there will be a small flag marking the spot with the tactical call number on it that corresponds to that station. Please visit the race website at PeaceRace.org for details on the race and for a look at the course on the map and the video provided. The race organizers very much want our involvement and consider us an essential part of the event. The courses for both of the races this month are long and we need lots of volunteers. If you have not signed up yet, you can call me at 330-398-1303 or e-mail me at mfstein@zoominternet.net to be added to the list. You can give me your name, call sign, e-mail address, and phone number in case I would need to contact you. The charities supported by the Peace Race are:

- Akron Childrens' Hospital, Mahoning Valley Diabetes Outreach Program
- St. Vincent DePaul Society
- Rescue Mission of the Mahoning Valley
- YMCA's Partner in Youth Program
- Fairhaven School/ Special Olympics
- Beatitude House.

In addition, we are listed as a sponsor on their website.

The second race we cover is the Youngstown Marathon on Sunday, October 27, 2019. This race kicks off very early so our arrival time will be very early as well. When we have that exact time established, we will pass it on to you. Again, you can contact me to be added to that list too. You can give me your name, call sign, e-mail address, phone number, and T-shirt size for this one. They usually give us shirts. The course for this race is longer than the one for the Peace Race so many hands are needed. We will have our October general meeting before the Youngstown Marathon so that will be another opportunity to sign up. Please check out their website for more race details at www.youngstownmarathon.com. Charities supported by this race are: the Beatitude House and the Youngstown Blue Coats, an organization that gives assistance to homeless veterans and other homeless persons in Northeast Ohio and Western Pa.

Over the past two years, they have donated a total of \$24,000 to four local charity partners.

Anyone able to come out with an HT to help out at the Haunted Hayrides for the benefit of the area 4-H clubs, at Boardman Park on Friday, October 11, Saturday, October 12, Friday, October 18, and/or Saturday, October 19, please get in touch with Bill Egan KD8HCQ for details. For all of these events, watch the weather and dress appropriately for it.

Thank you to all who came out in Sept. for the Family Fun Day at Boardman Park. You are much appreciated! Our October general meeting is on Tuesday, October 15 at Davidson's as per usual. Our speaker will be Andy Bowell of Youngstown Radio Service. Andy is a fellow ham. I apologize for not having his call sign as I sit and write this rather late in the game. He specializes in installing all kinds of sound systems in cars for the general public and for wiring ham radios directly to the car battery for us. He will talk on the dos and don'ts of installing your radios into your vehicles. He would like to do a question and answer period in his talk, so be ready with any install questions you may have.

Last but not least, don't forget about our elections coming next month. We are in the nominating period now. Please consider coming forward to run for one of the offices up for election. You can nominate *Continued page 6*

WHAT'S COMING UP?

- Oct. 08 Board Meeting - Austintown Eat 'n Park
Members welcome
- Ham Community Breakfast - Austintown Eat 'n Park
- Oct. 13 2019 Youngstown Peace Race - Please Volunteer
- Oct. 15 Members meeting 7:00 P.M. Nominations open be ready to serve
- Oct. 22 Ham Community Breakfast - Austintown Eat 'n Park
- Oct. 27 2019 Youngstown Marathon - Please Volunteer

- Nov. 02 YL Breakfast
- Nov. 12 Board Meeting - Austintown Eat 'n Park
Members welcome
- Ham Community Breakfast - Austintown Eat 'n Park
- Nov. 19 Members meeting 7:00 P.M.- Nominations/Elections
- Nov. 25 Ham Community Breakfast - Austintown Eat 'n Park

- Dec. 07 YL Breakfast
- Dec. 10 Board Meeting - Austintown Eat 'n Park
Members welcome
- Ham Community Breakfast - Austintown Eat 'n Park
- Dec. 17 Members meeting 7:00 P.M.
- Dec. 24 Ham Community Breakfast - Austintown Eat 'n Park
- Dec. 25 Merry Christmas
- Dec. 31 New Years Eve



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

Fabry, Steve KC8SOY
 Haren, Roy KD8IJF
 Williams, Russ NR8W

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

kc8soy@yahoo.com
 harens@juno.com
 rwiliams@neo.rr.com

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

Sept. 27 Bob KE8HHH
 Oct. This could be you
 Please Volunteer

If your name has never been 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



Thanks & 73 to all of our members (and others) look forward (hopefully) to getting this newsletter every month, so keep sending those articles, jokes, and suggestions! sending those articles, jokes, and suggestions!

Thanks goes out to this month's contributors; KD8TII, N8SY, W5YI, the ARRL, FaceBook, and the World-Wide Web.

TREASURER'S TROVE

Greetings everyone, I hope everyone had a safe Labor Day.

I know I'm late in talking about the Panerathon which was held Sunday, August 25. We lucked out and had a beautiful day for the race. We had a good amount of volunteers to help out during the race and everything went smoothly. I want to thank all those who participated and that you all did a great job.

As you may already know, the first major event for October is the Peace Race to be held on Sunday, October 13. It was moved from the end of the month to the middle of the month. This race has been huge in the past with thousands of runners and a long path to run. We are looking for many more volunteers to help in this race.



The second major event is the Youngstown Marathon. This also was moved from June to the end of October which will be held on Sunday, October 27. All three of these races are very big events for the community, and we hope to have many more volunteers for this race, too. We have gotten very good comments from the race coordinators, and they are hoping we will continue assisting them in the future. Those of you who wish to volunteer for these two events, please read up on the General Communications Guidelines which is pertinent to these events. We also have the Haunted Hayride event happening sometime in the middle of October. I believe more will be talked about this event during the upcoming Friday night nets by Bill Egan, KD8HCQ.

Starting last month and this month, I will be collecting dues for new members and renewals for the upcoming year, 2020 up until January 31st, 2020. As of now, we have 52 members. I am hoping we will have all the members renew and hopefully add many more new members. You can pay your dues with cash, check, or money order at the general meetings now, through the end of January, or through the mail. Please make checks or money orders out to WRARC. If you need to mail it in, the address for the club is: Western Reserve Amateur Radio Club, 416 S. Edgehill Ave., Austintown, Ohio 44515. If you have any questions or need to make any changes, you can reach me at: (216) 406, 5769, or email me at: kd8tii@zoominternet.net.

Lastly, ladies, our YL breakfasts will be starting up again next month, starting Saturday, November 2nd. If you have any places you think you would like to try, please let me know between now and the end of October.

73 Rose, KD8TII
WRARC/Treasurer

USE YOUR LICENSE TO SERVE THE COMMUNITY - VOLUNTEER

VP - CONTINUED FROM PAGE 3

yourself or accept a nomination someone else makes for you. The offices of President, Secretary, Treasurer, and one Trustee position are up for elections. We need everyone's input for WRARC to run, so please consider getting involved at this level. Fresh blood and fresh ideas are always a good thing. If these positions are not filled, the club cannot exist. Bob, N8RCM, is not running again for President and Rose, KD8TII, is at the end of her second term as Treasurer and cannot run again as per the bylaws. You are all needed! As I said, it's a busy time

73 Maureen, KD8NXS
WRARC/VP



Dave Beatty, KC8WY - SK

August 27, 2019

Please join WRARC Members
 in expressing our
 feelings of sadness at
 Dave's passing.
 Losing a friend is never easy!



WE SENT FLOWERS



SOME THOUGHTS FROM STEVE

Hi Everyone, I am sure that everyone knows that we have another Silent Key in our club - Dave, KC8WY. Dave will be very much missed in the Ham community. He was a very dedicated Ham Radio Operator, he loved the Hobby!

Dave was one of the VEs that tested me when I became a Ham Radio Operator. Over the years, talking on his repeater, I have learned a lot of what I know today from him - Talking to him, or just listening to him and other Hams talk about the Hobby. KC8WY was a great Elmer and friend to a lot of Hams over the years. There is a small group of Hams that use his repeater on a daily basis, keeping Dave's wishes alive by keeping his repeater active . Thanks guys - 73 Dave.

73 Steve, KC8SOY
 WRARC/Trustee

FROM OUR TRUSTEES

DARRIN

Thank you to those who participated at the Boardman Parks Family Fun day. Please feel free to check out a few pictures on our face book page. It's always nice to see the same ol' Hams who usually participate in these events, but there is always room for YOU to come out and participate. Don't forget. We have The Peace Race and Youngstown Marathon coming up in October! You can check out our Vice Presidents article for more information and sign up as soon as you can. We need a YOUR help!



Have ideas on how to better your club, if so, remember elections are coming up. Let us know which office you would like to hold. The positions open for election are President, Treasurer, Secretary and Trustee. Whichever position you are considering, you are more than welcome to attend any officers meeting and see how easy they are to hold as well as you are invited to contact anyone of officers with your questions.

Club wear orders are still being accepted, but it's too late for the October events! Contact me if you need to place an order. Visit our web page and download the order form and submit it to me me at a meeting or N8DMC@wrrarc.net.

Friday night nets are going "ok" but I would like to change that "ok" total check ins to "AWESOME" check ins . . . How can we improve you ask? Spread the word! And check in every Friday night at 9pm. If you're forgetful like me sometimes, add a calendar event in your smart phone! I have mine set every Friday at 8:45 P.M. with an audible alarm reminder. Trust me - It works!

If you missed the last meeting in September, you missed a good one! Scott Yonally, N8SY, had an awesome presentation and cool statistics regarding how many Hams are out there by a breakdown of licensed classes and hearing some of the many titles Scott has held over the years, and currently which he holds, to date. I'm Glad he's our Section manager. Don't forget to sign up on the Ohio Section page. Visit: <http://www.arrl-ohio.org/> Really a wealth of great information is located there.

I hope to see you all soon, remember to PRACTICE YOUR HOBBY BY GETTING ON THE AIR! Not only will you make new friends, but you'll have fun doing it. Seeing you attend the meetings every month is great, but hearing you on the repeater is even BETTER !

73 for now
Darrin Cannon, N8DMC
WRARC/Trustee



STEVE



September 14 was Family Fun Day at Boardman Park. We did Some thing new this year by having free hot dogs and drinks for the public. I headed this program with, my heart and soul, to maybe get some of you members to get off your can and come out to join in an activity with WRARC! But, as it is you all expect, the people in our club that do these events, and do all the work were there for 30mins or an hour of their time to help your club.

These are the WRARC members that we really need to thank for their hard work that benefits your club - N8DMC, W0TIS, KC8SOY, WB3WPD, KD8NXS, KD8YMK, KD8IJF, and Donna.

73 Steve, KC8SOY
WRARC/Trustee

FAMILY FUN DAY



Visitor john. N8VPD, KC8SOY, N8DMC, KD8NXS, W0TIS, WB3WPD, KD8IJF, and Donna. Mark, KD8YMK, was there - But not in picture.

ELECTIONS

Elections starting in October. Contact your current officers if you are interested in running for a position on the board. Sure, there is some work involved, but the fun you have while doing it and the friends you make will be unsurpassed. I know I was on the board a while back and loved every minute of the time I spent as your very first Secretary. WRARC offices which need to be filled are :President, VP, Treasurer, and one Trustee.

Do you have ideas on how the club can be run more effectively? Run for President.

Do you have ideas for some interesting speakers? Run for VP.

Stan can run one more time for Secretary, but if you'd like that job, and you like to keep meeting notes, run for secretary.

If you are interested in finances, run for Treasurer.

If you like a challenge, run for Trustee because you never know what job will come your way.

Our current officers have done a great job, but if you have some better ideas, run for an office. Contact a current officer 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 October meeting. Remember our elections are in November and our new officers take office in January.



COULD I BE LOOKING FOR YOU?

Could I be looking for YOU? This is the Wave Bender 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 next month!!





2019 PANERATHON VOLUNTEERS

Aiden Divelbiss-W0TIS, Betsy Kramer-Volunteer, Bob Kramer-KE8HHH, Bob Mitzel-N8RCM, Bob McCully-AB8OP, Chris Monske-WF8U, Corinne Kramer-KE8MRE, Darrin Cannon-N8DMC, Dave Brett-KD8NZF, David Moore-KE8ALR, Donna Haren-Scribe, Marilyn LaShure-Volunteer, Mark Stein-KD8YMK, Maureen Stein-KD8NXS, Mike Malarky-W8IWD, Nancy Brett-KD8QNY, Ray LaShure-K8NVY, Rose Marko-KD8TII - Net Control, Roy Haren-KD8IJF, Roy Dyckman-KD8JMO, Russ Williams-NR8W, Stan Adamski-KB3WPD, Steve Fabry-KC8SOY, Ted Filmer-KD8IJE

OPPORTUNITIES TO VOLUNTEER



HAUNTED HAYRIDE



OK, it is now time to put on your long-johns, get out the HTs one more time, check and charge those batteries, again, and go out into the woods. No, you are not going hunting for deer or rabbit, You are going out after bad people that like to scare little kids. Now these bad people may be hiding in Boardman Park. Yes, in Boardman Park! They are there after the little kids that go out on these October weekends to have fun in the woods by scarring people while on the Haunted Hay Ride.

The Haunted Hay Ride is a fund raiser for the 4H kids in Mahoning County, it will be held on two weekends this year: October 11,12 and October 18,19. Volunteers meet at the log cabin at 6:00 P.M. - at that time Bill will see were everyone will be placed, and you will find out were in the woods you will be. Now, if there is a lot of volunteers, then you can be with someone if you'd like - and if you want - YOU can scare the riders along with the kids. But, you have to let Bill know. You will come back in around 10:30 P.M. on most nights. On some nights, it can go until 11:00. Bill hopes that YOU will volunteer and join the fun. Yes, you do have fun even if it's cold. Contact Bill Egan KD8HCQ 330 565-4342 to volunteer.



USE YOUR LICENSE TO SERVE THE COMMUNITY - VOLUNTEER

SHACK SHOT



Icom 720 HF radio,
Icom 2200H D-STAR radio,
2100 VHF FM radio,
Realistic pro-2006 scanner,
MFJ-949E antenna tuner,
RadioShack pro-2039 scanner,
RadioShack 25 amp power supply,
Astron 3-amp power supply for
scanners and tuner

Aiden, W0TIS



**Semi-Monthly
Ham Community
Breakfast
Second and Fourth
Tuesdays
9:00 A.M.
Eat 'n Park Restaurant
in Austintown
Join Us!**

CAROLE PERRY AWARD

I want to make you all aware of the Carole Perry Educator of the Year Award – given by the Orlando HamCation organizers. Last year (2019) the award was given to Carole Perry – WB2MGP as the first recipient and namesake for the award. The award, to be given annually in Perry's name, recognizes outstanding dedication in educating youth about amateur radio and giving them opportunities to advance their skills and participation in the hobby.

Carole has moderated the Hamvention® Youth Forum for 31 years. She sits on the Radio Club of America (RCA) Scholarship Committee, and she chairs the RCA Youth Activities Committee, which she established in 2007. Carole has had a long and successful career as a Middle School teacher at Intermediate School 72 in Staten Island, New York where she created a curriculum called "Introduction to Amateur Radio" which was successfully used with her students for over 24 years!



Nominations for this year's award are now open. You can find out more information at <https://www.hamcation.com/award>. Nominations can be made online, but, don't let it pass you by – nominations are closed on November 1, 2019.

73 Thomas Sly <tomsly29@gmail.com>



*Birthdays
of the
Month*

Jane Avnet, K8JAA
Bill Davis, K8TUS
Chris Monske, WF8U
Bill Egan, KD8HCQ
Shirley Boles, KD8SSB
Maureen Stein, KD8NXS
Joe McElroy, K8STN
Doug Sage, KB8TPG



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

EARLY HISTORY OF AMATEUR EMERGENCY COMMUNICATIONS



To fully appreciate anything, it's helpful to understand its history. For amateur emergency communications, that is certainly true; however, it is also simply fascinating. Not much has changed in over a hundred years of the radio amateur's role in the disaster and emergency communications arena, except for ever-advancing technology and technique. The following are some gold nuggets I found from reading -- and re-reading and highlighting - ARRL Assistant Secretary Clinton B. DeSoto's classic 1936 book, *Two Hundred Meters and Down--The Story of Amateur Radio*.

On just the second page of the book, DeSoto, in describing the typical radio amateur of 1936, offers up an adventurous band of free spirits involved in the radio art for the simple love of it, but turning serious about altruistic service to humanity when it came time to "saving a hundred lives in a fever-ravished Alaskan village . . ."

Technical advancement of the art is their contribution to humanity, too, but with an unparalleled service "of matchless heroism in flood and disaster, . . . with their great emergency system of communications carrying on when all others have failed. In many years no community in distress in this country has been without valiant aid from Amateur Radio."

DeSoto called emergency communications by amateurs the "Flower of the Art."

Early history of amateur communications also involves the handling of traffic, upon which, among other things, the ARRL was formed in 1914. Traffic handling by relaying is the essence of emergency communications, of course. "Floods, hurricanes, earthquakes - disasters of all varieties provide a large part of the amateur message total in the form of emergency traffic. Amateurs almost invariably form the last line of communication in times of natural emergency; this has been true in more than forty major and a large number of minor disasters in the past twenty years [that's from 1916 to 1936 - ed.] . Tragedy, drama, human interest incidents of all kinds, provocative of both laughter and tears, have all been logged in these hard-worked amateur radio stations."

DeSoto described the predominant characteristic of the amateur is his altruism: and that certainly is still true today, a hundred years later.

In 1913, on the heels of the research and development of radio design of the time, the primary interest had become application and practice, namely communication and the handling of messages. Amateurs occasionally handled traffic for third parties.

In March, 1913, "a possible new activity for amateur radio made itself apparent when amateur stations successfully bridged the communications gap surrounding a large isolated area left by a severe windstorm in the Midwest. Amateur stations at the University of Michigan at Ann Arbor and at Ohio State University, in conjunction with numerous individual amateurs in and around the stricken area, handled widespread communications . . ."

Message handling, especially the organized relaying of those messages, for fun, friends, and in time of emergency formed the basis of the ARRL, which was to be founded the following year as the needed national organization to represent the amateur's interests. Operating speeds increased with the resulting increased proficiency, and advantages of national representation were manifest.

With significant service with proficiency already provided in times of emergency, the government and the ARRL worked together to prepare for war and the necessary radio operators to support it. In 1917, amateurs were ordered off the air, and as the US went to war, thousands of amateurs with the requisite emergency and message handling experience served the war effort until the Armistice in 1918.

Amateurs were back on the air in late 1919, and a year later, had turned to a new activity, the precursor to many services rendered today to law enforcement and emergency management: "amateur police radio," assisting the police with major crime solving efforts, including stolen automobiles.

In 1922, State governors hailed Amateur Radio operators as a "reserve of radio minute men for national emergencies."

Continued page 14

HISTORY - CONTINUED FROM PAGE 13

In 1929, a new Army-Amateur Radio System organized networks across the country to assist the Army and American Red Cross for disaster relief communications.

In 1931, after years of experimentation to promote long distance communications, relative to the five-meter band, a few hams realized that there was a place for communications of just a few miles, or "line of sight," a realization that would serve as the bedrock for countless ARES groups forever more.

In 1933, new regulations permitted mobile operation at UHF; informal portable operation was also permitted.

Early Emergency Responses

Amateur Radio disaster responses from 1919 to 1936 are summarized in chapter twenty - "Emergencies." DeSoto wrote "Since 1919 Amateur Radio has been the principal if not the only communication link following nearly forty major and a great number of less consequential disasters." He cites the Great Flood of March 1936 as the greatest amateur emergency public service of the time. As flooding expanded, normal communications were cut off, and amateur communication systems expanded flexibly and spontaneously to meet the need in the disaster that affected the entire eastern US. Many were based on the Army-Amateur, Naval Reserve and the ARRL Emergency Corps, forerunner of today's ARES program. At the peak of activity, it was estimated that a thousand amateur stations were engaged in providing effective emergency communications for prompt warning of authorities, immediate evacuation of threatened areas, and expedient supply of relief and rescue assistance. By the end of 1936, amateurs had earned nation-wide recognition for effecting communications where all other means had failed.

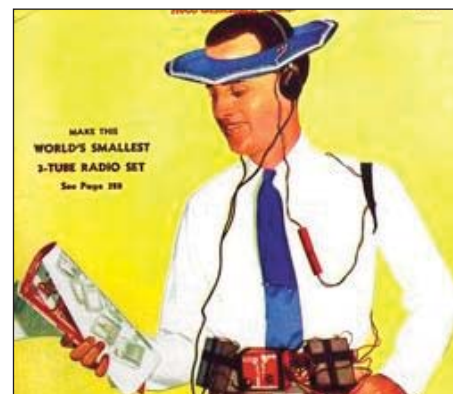
Conclusions

In the last chapter of his book, DeSoto expresses what still rings true today: The right of Amateur Radio to exist comes from its public utility. Operators perform a continuing public service in that they train themselves in a highly-specialized and difficult field to be of use to the nation in time of emergency.

From the ARES E-Letter for September 18, 2019

A RADIO ON YOUR BELT -- 1930S STYLE

Since the advent of wireless technology, efforts have aimed at condensing the size of the necessary equipment to permit ease of transport, mobile installation, and radios that could be hand carried, slipped into a pocket or -- in this case -- carried on the belt. Hugo Gernsback's Radio-Craft for December 1936 included the article, "How to Make the World's Smallest 3-Tube Radio Set" by Arthur Miller (likely not the playwright). It details how a clever radio crafter could construct a set worn on a belt around the waist and -- in this case -- with the antenna worn on the head in the manner of an old-time banker's eyeshade. The individual wearing such equipment today likely would not only have to endure considerable pointing and laughing but would raise the alert level at any airport TSA checkpoint.



Vacuum tubes of the day were not too sensitive, required separate voltage sources for filament and plate, and were pretty hard on batteries. The filaments for the three tubes came from "a liquid unspillable storage cell" (i.e., rechargeable) to supply the necessary 2 V. The article says this battery should last from 7 to 10 hours and came "with an oiled silk bag and fits in the hip pocket." This was the sort of futuristic innovation that Gernsback typically featured in his publications, and the entire December 1936 issue of Radio-Craft is worth perusing.

"When using this 'Belt-Radio' the wearer is quite unmindful that the latest news or dance music is coming from an ultra-midget receiver which is actually being worn on the belt!" the article exults. "And it takes only a minute to put the whole equipment on -- and less to take it off!"

Continued page 15

1930's STYLE - CONTINUED FROM PAGE 14

According to Miller's article, building the three-tube set was easy. "The loop aerial is wound on a cardboard disc 13 ins. in dia," it explains. "Litz wire is used and 22 turns are interlaced around the 9 ribs." No mention of gauging hat size.

The article concedes just to "one disadvantage" in having to wear the antenna on one's head. "The 4-ft. cable connecting it with the receiver acts as a capacity and restricts the tuning range of the set," it explains.

The set tuned the AM broadcast band, and with the antenna on the head, directionality was less of an issue. While it might look silly to us now, project ideas such as this helped advance the radio art toward the technology we use and enjoy today.



ARLB021

Ad Hoc Legislative Advocacy Committee to Meet with Lawmakers

To all radio amateurs - ARRL's Ad Hoc Legislative Advisory Committee will meet with several members of Congress later this month in Washington to introduce new Committee members, reacquaint the lawmakers with Amateur Radio's most-pressing issues, seek their input on the best ways to achieve ARRL's objectives in Congress, and request their continuing support. Committee members have completed a comprehensive analysis of Amateur Radio Parity Act deficiencies for dissemination to Amateur Radio's backers on The Hill. The panel now is following up on this process with the meetings later this month.

The Committee has contracted with The Keelen Group to provide advice and recommendations regarding ARRL's legislative relationships. Keelen Group advisors also will aid in organizing and guiding the meetings between ARRL representatives and key congressional allies in support of Amateur Radio initiatives.



On June 12, the Legislative Advisory Committee held the first of a series of meetings in DC with ARRL Washington Counsel David Siddall, K3ZJ, The Keelen Group, and a small contingent of radio amateurs associated with various governmental and nongovernmental partners to solicit their perspectives and assistance in charting a future course of action. Pacific Division Director and Committee Chair Jim Tiemstra, K6JAT, described these individuals as "critical allies in ARRL's efforts to achieve its legislative objectives."

The process of analyzing and clarifying ARRL's aims began when the Committee was reconstituted with new members at the ARRL Board of Directors' January meeting. The Board had determined a need to "review, re-examine, and reappraise the ARRL's regulatory and legislative policy with regard to private land-use restrictions," with the aim of renewing, continuing, and strengthening ARRL's effort to achieve relief from such restrictions.

"There seems to be no countervailing policy that could justify arbitrary conditions, covenants and restrictions," Tiemstra said. "Indeed, public policy should clearly favor the needs of the Amateur Radio operator."

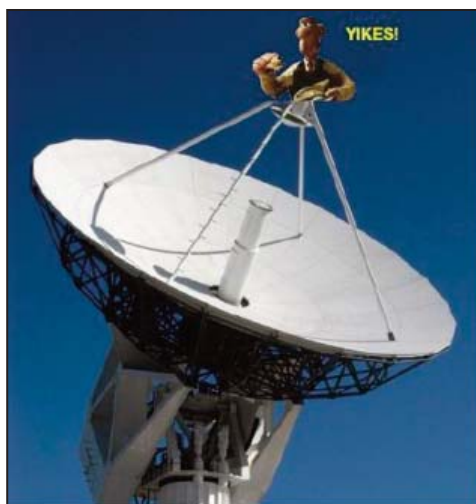
Amateur Radio's role in public service and emergency communication will be the Committee's strongest argument in seeking relief from private land-use restrictions that limit amateurs' ability to operate effectively.

The Committee will analyze the outcomes of this month's meetings and draft a report with recommendations for the ARRL Executive Committee to review and consider at its October 12 meeting. The full Board is expected to take up the issue at its January 2020 meeting.

Take time to laugh for it's the music of the soul Author: --From an old English prayer

My neighbor was bit by a stray rabid dog. I went to see how he was
and found him writing frantically on a piece of paper. I told him
rabies could be cured and he didn't have to worry about a Will.
He said, "Will? What Will?
I'm making a list of the people I want to
bite."

HOW TO COOK A HAM (SCROLL DOWN FOR INSTRUCTIONS)



Ingredients::

- 1 Ham Radio Operator fully seasoned, with a Tech, General or higher license
- 1 Parabolic reflector (100 ft diameter)
- 1 megawatt transmitter
- 1 FCC (experimental permit)
- 1 pound brown sugar

Procedure:

Place 1 Ham into main lobe of dish at the focal point as in picture below and secure well

Cover him well with brown sugar . . . (it is sometimes best to start with a coating of honey) tune transmitter to 100 ghz FM, apply full power until eyes of Ham start glowing green . . . move back . . . there will be yelling and screaming! (Protect your ears!) . . . continue radiating until he yells I'm QRT!

(Recipe courtesy of a Free bander who failed his tech exam!

OLD FRIENDS ARE GOLD! NEW FRIENDS ARE DIAMONDS!
IF YOU GET A DIAMOND, DON'T FORGET THE GOLD!
BECAUSE TO HOLD A DIAMOND, YOU ALWAYS NEED
A BASE OF GOLD!



October 2019

PREPAREDNESS LEADS TO READINESS - MATT W8DEC



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 Name Your Car Day	3	4 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	5 Do Something Nice Day
6 Mad Hatter Day	7 ARES Net 8:30 PM 146.745 PL 110.9	8 Ham Breakfast Eat'n Park Austintown 8:30 A.M. Board Meeting Eat'n Park Austintown 7:00 P.M.	9	10	11 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	12
13	14	15 WRARC Meeting 7:00 P.M	16	17	18 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	19 Sweetest Day
20  WaveBender Input Due	21 ARES Net 8:30 PM 146.745 PL 110.9	22 Eat'n Park Austintown 8:30 A.M. Ham Community Breakfast	23	24	25 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	26
27	28	29	30 Mischief Night	31 	WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	