



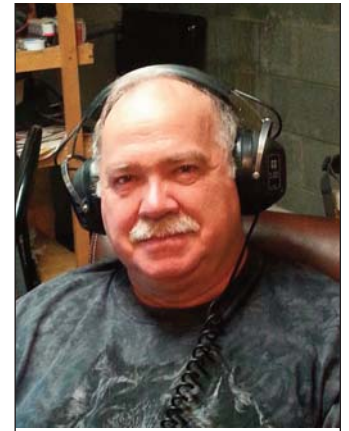
The
Wave Bender

September 2019

AWARD WINNING NEWSLETTER

WRARC PREZ PRO TEM

Another month has passed, and things in the Mahoning Valley keep moving along. I had traveled up to the DX Engineering Hamfest this month and spoke with Tim Duffy and thanked him for a great time while there. I also had a chance to speak with the ARRL group that had a nice display set up there. It was nice to catch up with some of the people I had not seen in a while. But then again, is that not the main idea of these functions? It is nice to get some great deals on equipment at discount prices, but to me the true value of the Hamfest is keeping alive the friendships forged over the radio waves. The chance to see our friends and future friends face to face and chew the rag a bit is always worth the time. It is nice to look around and see all the little groups of Hams gathered around catching up, summer as we all know can be hectic with vacations and other family functions. There was also a large flea market in the rear parking lot. I did not make the trek back there but everyone that did, seemed to find something interesting.



Then to end the month, we will be doing our main public function of the year, the Panerathon will be run on Sunday, August 25th. We have attended several meetings at the Covelli center and everything is going smoothly. We have been working closely with the other groups involved and expect another great event this year. Projections are for an even larger turnout of runners than in years past based on the number of runners registered at the time I wrote this. Roy, Steve, Darren, and I have been involved with most of the planning, including maintaining communication for the medical tents which will be testing using radios on the Covelli net dedicated for them. We will have a Ham Operator at both tents as well as down town, and will furnish radios to Lane Ambulance so they can monitor any emergencies that may occur and be reported on our frequency.

Finally to close out my newsletter article for this month, elections will be held in a few months for the club. I strongly urge all our members to consider running for one of the available offices, There will be several offices needing filled, and this is your chance to contribute your ideas and thoughts on keeping WRARC running in the direction it needs to be going, helping it take a strong leadership position in the Mahoning Valley Ham Radio community. It is easy to sit back and grumble about what you think your officers should be doing, and what you want to be done. Now is the time to think about running and becoming a part of making WRARC what the members want it to be. We have a strong and proud history of Public Service behind us and that will be the legacy the will continue to move forward in the future, There will be a full list of offices coming up, but off the top of my head, President, Treasurer, Secretary, and a Trustee spot are due to be filled. We have had some great people in these spots, and now it is time for some new blood to take over the leadership for the future. Think about how you can benefit and how our club can benefit from your leadership.

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.

IN THIS ISSUE

2019 Officers:

- President:** Bob Mitzel, N8RCM n8rcm@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
 Roy Haren, KD8IJF kd8ijf@wrarc.net
 Steve Fabry, KC8SOY kc8soy@wrarc.net

Appointed Positions:

- Social:** Maureen Stein, KD8NXS kd8nxs@wrarc.net
Publicity: OPEN:
Nets: Steve Fabry, KC8SOY kc8soy@wrarc.net
Classes: Chris Monske WF8U kd8ely@gmail.com
Testing: Darrin Cannon, N8DMC n8dmc@wrarc.net
Newsletter/Web: Jane Avnet K8JAA k8jaa@wrarc.net
Historian: Rose Marko, KD8TII kd8tii@wrarc.net
Badges: Darrin Cannon, N8DMC n8dmc@wrarc.net

Officer's Meeting:

September 9, 2019, 7:00 P.M. At Eat 'n Park,
 Austintown, Eat 'n Park,
 5451 Mahoning Ave
 All members welcome

Members Meeting:

September 17, Davidson's
 3636 Canfield Rd., Cornersburgh
Speaker: Scott Yonally, N8SY
Topic: Ohio Section

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

OTHER IMPORTANT WEB SITES

THE ARRL EXAM SEARCH PAGE

<[HTTP://WWW.ARRL.ORG/FIND-AN-AMATEUR-RADIO-LICENSE-EXAM-SESSION](http://www.arrl.org/find-an-amateur-radio-license-exam-session)>

OHIO SINGLE SIDEBAND NET

<[HTTP://WWW.OSSBN.ORG/INDEX.HTML](http://www.ossbn.org/index.html)>

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (HAAT) CALCULATOR

[HTTPS://WWW.FCC.GOV/MEDIA/RADIO/HAAT-CALCULATOR](https://www.fcc.gov/media/radio/haat-calculator)

FROM OUR VP



Greetings to all, I hope you all have a safe and happy Labor Day weekend. The wrap up of summer already! We are in our fall time club event season now. In addition, I wanted to share with you all an interesting news story from down here in Central Fl.

At the end of July, the local Chanel-9 news did a whole work up on the 50th anniversary of the first moon landing mission. All of it was very interesting since the launch, of course, happened on the Space Coast. The documentaries were very interesting with a look at old footage from the time and a look at the modern day launch control area. Plenty of unmanned rockets go up all the time - 3 or 4 since we've been here. One story in particular caught my attention. It was a sit down interview with the only woman who was in the launch control area on that historic launch day. It was fascinating listening to her. She was an engineer/scientist whose area of specialty was communications. They showed film of her at the console on that day as she told her story. She was not generally well received by the men, but stood her ground and fought her way through the glass ceiling and resentment of her being there. One supervisor told her she didn't belong there but another told her she was so good at what she did that she could work for him anytime. She even had to go to another whole building to use a restroom. How different it is today. Right now one of the launch directors is a woman. It was worth the struggle! I wondered if the lady interviewed might be a Ham since communications was her area. That was not talked about but she sure could be an asset to the hobby if she were.

Now back to the present. Our first fall event will be the Family Fun Day at Boardman Park on a Sat. in the early part of the month. I don't have the exact date at hand as we are still out of the loop as I sit to write this. We will pass that date on as soon as possible. Once again, we will need help with this event. This is a totally fun one. We are always one of many organizations with interesting set ups for people (mostly families) to come out and see. We have a static display table in the Lariccia Center, and an active location in one of the pavilions where we show our equipment set up to the public. We also give kids an opportunity to talk on the radio on a simplex frequency so that they can experience Ham Radio first hand. We need people to help man each area and this year we likely will do some badly needed fund raising by selling burgers, hot dogs, and drinks by donation only. There are rules in place that don't allow groups like us to set specific charges. Some of the other things there to see are wildlife and taxidermy displays, pet therapy dogs (my favorite as they are so sweet), bluegrass music, Civil War reenactors, the Boy Scouts, and the county library among others. I guarantee that it will be an enjoyable day. You never know who you might interest in Amateur Radio. Come join the fun and help in one of the areas we cover, including the selling of dogs and burgers for fund raising. We will likely need a few more people this year.

Also for fall time are our two more public service events, the Peace Race on Sunday, October 13, and the Youngstown Marathon on Sunday, October 27. Lots of help will be needed for each of these as they are long courses. Please volunteer. You are very badly needed and it takes all of us to make WRARC and its activities work. Sign up sheets for these events will be started around at the September meeting.

November will bring elections. We have many positions to fill. Please consider coming forward to be nominated for one of them. Positions up for election are President, Secretary, Treasurer, and the three-year trustee position. It is up to all of us to make WRARC run. Bob, N8RCM, will not be running for reelection as President, and Rose, KD8TII, is at the end of her second term as Treasurer and cannot run again. We are all needed, and everyone's input is important!!

The September general meeting is on Tuesday September 17, Scott Yonally, N8SY, will be our speaker. He will talk on the Ohio Section. Let's give a good push to make WRARC run as it needs to. It will be a busy fall. Let's all make it all count!

73, Maureen, KD8NXS
WRARC/VP

USE YOUR LICENSE TO SERVE THE COMMUNITY - VOLUNTEER

WHAT'S COMING UP?

- Sept 10 Board Meeting - Austintown Eat 'n Park
Members welcome
Ham Community Breakfast - Austintown Eat 'n Park
- Sept.14 Family Fun Day, Boardman park
- Sept 17 Members meeting 7:00 P.M Nominations open be ready to serve
- Sept 24 Ham Community Breakfast - Austintown Eat 'n Park

- 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. 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



SPECIAL EVENT
Ohio QSO party

Aug 24-Aug 25, 1600Z-0400Z, W8O, Castalia, OH. Mad River Radio Club. 14.045 7.200 7.045 3.545. QSL.
Dan Kovatch, 406 Bardwell Rd, Castalia, OH 44824.
noon-midnight Eastern Time
www.ohqp.org

If you're around the radio this weekend, consider participating in the Ohio QSO Party.
If you are already planning on participating, please indicate your plans on the website via:
<https://www.ohqp.org/index.php/enter-plans/>

73, Mike/AA8IA

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



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Beatty, Dave KC8WY	anything	kc8wy@zoominternet.net
Fabry, Steve KC8SOY	Yaesu FT8900, FT8800, Mobile	kc8soy@yahoo.com
Haren, Roy KD8IJF	???	harens@juno.com
Williams, Russ NR8W	Electrician, tele-data, Amateur	rwiliams@neo.rr.com
	Extra	

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. This could be you

**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.

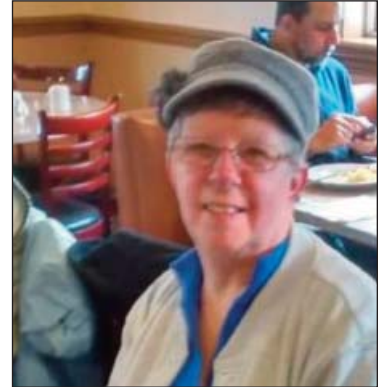
<http://www.http://ohden.org/> for net details. Net Manager Gary NJ8BB



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

Hello, everyone. Here it is, September. It is time for you, our members, to start thinking about (1), renewing your membership and (2), volunteering to become a board member for nominations in September, October, November and December. We will need a President, because Bob Mitzel, N8RCM, our interim President will be stepping down. We also will need a Treasurer, because my term is ending in December. I'm not sure of our Secretary, Stan's, KB3WPD, term if he will be stepping down.



Becoming the Treasurer is not a difficult job to do. I learned from Maureen, KD8SNX, four years ago, she taught me well. Now it's my turn to show the next Treasurer how it's done. If you like working with numbers, it shouldn't be hard to do. There are three important parts of the job that will have to be done. The first is the financial end which is taking care of the banking needs, secondly will be filing a tax form in the beginning of March every year, and thirdly will be paying the WRARC insurance in October of every year. The job descriptions can be located on our web page - <http://www.wrarc.net/> Duties and Responsibilities taken from the SOP which stands for STANDARD OPERATING PROCEDURES. WRARC has experienced members who have contributed to the club in the past, and they are willing and able to help anyone who might be interested in volunteering for these positions.

Three of the major Corporate Records are Financial, IRS, and Insurance. Usually these jobs are designated to either the Secretary or Treasurer by the President. They are not as difficult to do as they may sound. I hope the Nominating Committee can gather as many members as possible to volunteer for the new year, 2020.

I would like to apologize for the absence of last month's speaker missing from the photo page, who happened to be me. The restaurant had a backout prior to my giving my talk on how and why I became a Ham Radio Operator. The lights stayed off for quite a while during which time I had to sit and talk by using the outside light [that came] through the window. It was quite funny.

I am ending my article by using a quote from Chris Evert. "Cats are peaceful and tranquil—they bring calmness with their serene personalities." I believe this to be true. If we bring calmness and serenity to our lives in regards to our membership in WRARC, we can accomplish anything we want to put our minds to, until October.

73 Rose, KD8TII
WRARC/Treasurer

USE YOUR LICENSE TO SERVE YOUR COMMUNITY - VOLUNTEER



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

2019 OHIO SECTION NEWSLETTER WINNERS

2019 Ohio Section Newsletter Winners Announced. At the August 3rd Columbus Hamfest

John Ross, KD8IDJ, the Ohio Section Public Information Coordinator announced the winners of the 2019 Annual Ohio Section Newsletter Contest. Here's the announcement from John!!

Just when I thought I had heard it all from the judges...they continue to excel in selecting the winners...and the discussion was even more exciting.

So, here are your 2019 Newsletter Contest winners:

- First Place: The RADIOGRAM....Portage County Amateur Radio Society
- Second Place: Posts from the Union County Amateur Radio Club
- Third Place: DELARA News...Delaware County Amateur Radio Association
- Fourth Place: ATCO...Amateur television in Central Ohio
- Honor Mention...MVRC The Mount Vernon Radio Club newsletter

Congratulations to all this year's winners. Come to think of it - We're all winners, because of this contest our newsletters are all so much better than they were. I know the ones I've done have improved, thank you Joe & Scott. -ye ed



ARRL KNIGHT DISTINGUISHED SERVICE AWARD



The Board designated Ohio Section Manager Scott Yonally, N8SY, to receive the 2019 ARRL Knight Distinguished Service Award, which each year recognizes an outstanding Section Manager. The Board said Yonally "is tireless in his efforts to be present and visible all over the state, representing the ARRL and Amateur Radio with a positive and forward-thinking attitude." The Board also noted that Yonally edits the monthly Ohio Section Journal and the weekly Postscript to provide Ohio Section ARRL members with the latest news.



HUGS AND HUMMMMMMS!

This column dedicated to giving an open forum for Articles from members — things to make us go “Hum-m?!” and evoke a thought, or “hugs” for good things done — 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!

Do you have a favorite radio? Maybe you have some reminiscing to do, or you have a question for one of our Elmers. Do you have 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 with that. Your article could go in this spot, or one larger next month!!



A NOTE FROM DARRIN

Thank you to all of you who participated in our most recent and largest event of the year, the Panarathon. Let's also thank Liz and Dave Beatty for the use of their repeater 145.270. I'm still looking for our members to get on the repeater and use it whenever possible just to chit chat. I'm still dreaming I guess.

Steve, KC8SOY, can elaborate on this a little more, but, we are set to go for another event, Outdoor Family Fun Day at Boardman Park, Saturday, September 14th from 10:00 A.M. till 2:00 P.M. Please come out and help us educate the kids and families that may pass by our set up. We usually have a few activities, such as getting young potential Hams on the air with third party traffic. We set up another operator located at the other end (usually inside the building) to talk.



This year we are going to try something NEW. We will be making hotdogs and providing some type of drink. We will place a can for donations only, if this is successful, we can do it again next year. Don't forget to bring your HT and wear your club wear.

A few members of WRARC went out to the first annual DX Engineering Hamfest. It was, in my opinion, a great time. I met some new Hams and finally put a face behind the voice to others that I have been talking to on the repeater. I also went to the Warren Hamfest and finally sold my Icom 718 to another Ham and friend I used to talk to each morning on the way to work. I was glad I could give him a great deal while he took it off my hands, and saved me the effort of trying to sell it on ebay.

Look forward to seeing you all at the next meeting!

73 for now,
 Darrin Cannon
 (330)720-4454mailto:
 Darrincan@gmail.com

From Twitter

Radios are a great resource during disasters. When cell towers and internet are down, radios will continue to receive emergency alerts and NOAA weather alerts.

A big #NationalRadioDay shout-out to Ham radio operators and all they do to support emergency communications!



KC8UNR Mike Cibella
K8NVY Ray LaShure



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

IN BRIEF



Applications for the 2020 ARRL Foundation Scholarship Program will be accepted between September 1 and December 31, 2019. All applicants must be FCC-licensed radio amateurs, and many scholarships have other specific requirements, such as intended area of study, license class, or residence within a particular ARRL Division, Section or state. Applicants should review the scholarships and check off the ones for which they are eligible. If you complete an online application, you must also email a PDF of academic transcripts from your most recently completed school year by January 13, 2020. Applications not accompanied by transcripts will not be considered. The ARRL Foundation Scholarship Committee will review all applicants for eligibility and award decisions. Scholarship recipients will be notified in May 2020 via USPS mail and email. For more information, visit the ARRL Foundation Scholarship Program page.

The World Wide Radio Operators Foundation (WWROF) has announced receipt of a \$25,000 donation from a well-known con-
 tester. The contribution from Charles "Chick" Allen, NW3Y, of
 Seaford, Delaware, will be used at the discretion of the WWROF
 Board of Directors to promote and enhance youth involvement
 in radiosport, WWROF said in announcing the contribution. "It
 is truly an honor to work with WWROF by providing support for one of Amateur Radio's greatest
 needs -- encouraging youth to discover and enjoy radiosport in new and creative ways," Allen said.
 WWROF Chairman Tim Duffy, K3LR, thanked Allen for his generosity. "On behalf of the
 WWROF, I want to express our gratitude for Chick's donation and am excited about what it will
 mean for the future of contesting." <wwrof.org>



SEPTEMBER NATIONAL PREPAREDNESS MONTH

Partners in Service: FEMA Announces Plans for September National Preparedness Month

Next month is National Preparedness Month with the theme Prepared, Not Scared. Be Ready for Disasters. National Preparedness Month (NPM) is recognized each September to promote family and community disaster and emergency planning now and throughout the year. This year's campaign will feature PSAs and multimedia products around four weekly themes:

- Week 1: Sept 1-7 Save Early for Disaster Costs
- Week 2: Sept 8-14 Make a Plan to Prepare for Disasters
- Week 3: Sept 15-21 Teach Youth to Prepare for Disasters
- Week 4: Sept 22-30 Get Involved in Your Community's Preparedness

Content has been loaded on the Ready.gov National Preparedness Month Toolkit webpage. This year, FEMA wants participants, which include ARES operators, to share their activities and success stories. The longtime ARRL partner wants brief descriptions of what you are planning for National Preparedness Month. Send them to FEMA-IGA@fema.dhs.gov with the word NPM in the subject line. An appropriate, brief submission would be your planned or conducted ARRL Simulated Emergency Test (SET) activity. Many groups will be holding their SET during September and through the fall. The primary League-sponsored national emergency exercise is designed to assess the skills and preparedness of ARES and other organizations involved with emergency/disaster response. Here's an opportunity to let FEMA know about it.

In June 2003, ARRL became an official affiliate program of Citizen Corps <www.ready.gov/citizen-corps>, an initiative within the Department of Homeland Security to enhance public preparedness and safety. The Statement of Affiliation makes ARRL an affiliate under the four charter Citizen Corps programs--Neighborhood Watch, Volunteers in Police Service, Community Emergency Response Teams, and Medical Reserve Corps.



ENDING THE GREAT RADIO SILENCE AFTER "THE GREAT WAR"

Practical wireless was still in its infancy at the turn of the 20th century and unregulated experimentation rampant. Chaos reigned on the airwaves. Given the technology of the day -- spark gap transmitters that emitted very, very broad signals -- interference was a problem. As Al Brogdon, W1AB, explains in "The World War I Shutdown," in the September 2019 issue of QST (p. 70), hams, passenger ships, and the US Navy were the main users of wireless, and the Navy went to Congress in an unsuccessful effort to wrest control over radio and, effectively, abolish ham radio in the US. Radio amateurs opposing the bill had an ally in the Marconi Company.



When the US in 1917 joined the European conflict that became World War I, the federal government ordered hams to disassemble their stations, lower their antennas, and not use transmitters or receivers. Many hams who joined the military took their own radio gear along, because, as Brogdon explains, "the military didn't have enough radio equipment."

The end of the war did not mean the resumption of Amateur Radio. Hams were allowed to use their receivers again but not transmit. The Navy was still in charge of all US radio communications, and another bill introduced in Congress proposed handing over ongoing control of all radio to the Navy.



Publication of QST also ceased during the war, and many hams had let their ARRL memberships lapse for the duration. ARRL officers and key members dug into their own wallets to thwart the bill, mailing a "Little Blue Card" to members urging them to ask their congressional representatives to oppose the Navy proposal. ARRL President Hiram Percy Maxim went to Washington to speak against the bill, which died in committee.

It was not until 1919 -- amid another Navy effort to gain control over radio that was stalled by opposition from hams and others -- that the transmitting ban was lifted by an act of Congress. As Brogdon explains, "Maxim went to Washington again and found a sympathetic ear in Massachusetts Congressman William Greene, who ultimately introduced the successful House Joint Resolution 217, which asked the Navy 'to remove the restrictions on the use and operation of Amateur Radio stations throughout the United States.'"

Hams were back on the air by the fall of 1919 -- 100 years ago!



"You cannot legislate the poor into freedom by legislating the wealthy out of freedom. What one person receives without working for, another person must work for without receiving. The government cannot give to anybody anything that the government does not first take from somebody else. When half of the people get the idea that they do not have to work because the other half is going to take care of them, and when the other half gets the idea that it does no good to work because somebody else is going to get what they work for, that my dear friend, is the end of any nation. You cannot multiply wealth by dividing it."

~ Dr. Adrian Rogers

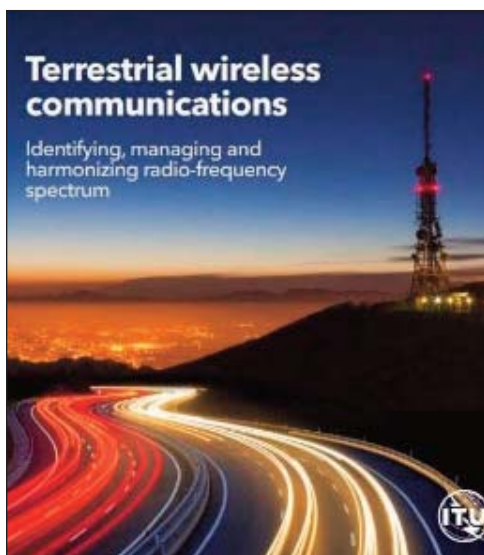
NATIONAL NEWS

Global Institutions Support Amateur Radio Communication and Experimentation

Former ARRL CEO David Sumner, K1ZZ, has contributed to the latest edition of ITU News Magazine <<https://www.itu.int/en/Pages/default.aspx>> —published by the International Telecommunication Union (ITU). The issue is devoted to “terrestrial wireless communications,” which includes the Amateur Radio and Amateur Satellite services. Sumner’s article, “Self-training, intercommunication and technical investigations: the amateur service in the 21st Century,” discusses Amateur Radio within the context of a global network of experimenters and communicators who, in Sumner’s words, “expand the body of human knowledge and technical skills that are essential to development and offer a resource that can literally save lives when natural disasters disrupt normal communications channels.” “Amateur licensees are grateful that ITU member-states continue to recognize the benefits of providing direct access to the radio spectrum to qualified individuals,” said Sumner, who now serves as secretary of the International Amateur Radio Union (IARU), an ITU sector member.



Sumner points out that access to frequency bands “spaced throughout the radio spectrum” is critical to Amateur Radio’s future. He notes that the initial pattern of ham allocations dates back to 1927 and the International Radiotelegraph Conference. Allocations have been extended and expanded at subsequent conferences, most recently at World Radiocommunication Conference 2015 (WRC-15), when ham radio obtained a tiny secondary band near 5.3 MHz. (An earlier WRC was responsible for the Amateur Service’s two lowest-frequency allocations, 135.7 –137.8 kHz and 472 –479 kHz.)



On the other end of the radio spectrum, the 1979 World Administrative Radio Conference (WARC) extended terrestrial allocations above 40 GHz to include amateur allocations. “If a future World Radiocommunication Conference extends allocations above 275 GHz, adequate provisions for amateur experimentation should be made,” Sumner observed.

The first item on the agenda for WRC-19, which takes place this fall in Egypt, calls on delegates to consider an allocation at 50 MHz to the Amateur Service in ITU Region 1 (Europe, Africa, and the Middle East) that aligns with existing allocations in Regions 2 and 3. “Harmonized allocations highly facilitate intercommunication,” Sumner asserted.

Sumner notes that ITU “plays an essential role” in keeping the spectrum clear of unwanted interference and emissions, an effort he said is “especially vital to the Amateur Service, which uses sensitive receivers to compensate for practical and regulatory limitations on antennas and transmitter power levels.”

Sumner also pointed to the role radio amateurs can play in developing and refining communication protocols, including digital techniques, to improve weak-signal performance. He noted that Joseph Taylor, K1JT —a code-developer of such digital modes as FT8, FT4, and JT65 —received an ITU Gold Medal in recognition of his outstanding contributions to radiocommunication.

Sumner explained that the IARU —a federation of more than 140 member-societies —represents the interests of radio amateurs around the world before ITU. The IARU’s contribution to the work of ITU began in 1932 with its admission to participate in the work of the International Radiocommunication Consultative Committee (CCIR). IARU is a member of the ITU Radiocommunication and Development sectors.

“The IARU is proud to be an active member of the ITU community,” Sumner said in conclusion.



86-YEAR OLD LADY'S LETTER TO BANK

Shown below, is an actual letter that was sent to a bank by an 86 year old woman. The bank manager thought it amusing enough to have it published in the New York Times.

Dear Sir:

I am writing to thank you for bouncing my check with which I endeavored to pay my plumber last month. By my calculations, three nanoseconds must have elapsed between his presenting the check and the arrival in my account of the funds needed to honor it. I refer, of course, to the automatic monthly deposit of my entire pension, an arrangement which, I admit, has been in place for only eight years.

You are to be commended for seizing that brief window of opportunity, and also for debiting my account \$30 by way of penalty for the inconvenience caused to your bank.

My thankfulness springs from the manner in which this incident has caused me to rethink my errant financial ways. I noticed that whereas I personally answer your telephone calls and letters, --- when I try to contact you, I am confronted by the impersonal, overcharging, pre-recorded, faceless entity which your bank has become.

From now on, I, like you, choose only to deal with a flesh-and-blood person. My mortgage and loan repayments will therefore and hereafter no longer be automatic, but will arrive at your bank, by check, addressed personally and confidentially to an employee at your bank whom you must nominate. Be aware that it is an offense under the Postal Act for any other person to open such an envelope. Please find attached an Application Contact which I require your chosen employee to complete. I am sorry it runs to eight pages, but in order that I know as much about him or her as your bank knows about me, there is no alternative. Please note that all copies of his or her medical history must be countersigned by a Notary Public, and the mandatory details of his/her financial situation (income, debts, assets and liabilities) must be accompanied by documented proof.

In due course, at MY convenience, I will issue your employee with a PIN number which he/she must quote in dealings with me. I regret that it cannot be shorter than 28 digits but, again, I have modeled it on the number of button presses required of me to access my account balance on your phone bank service. As they say, imitation is the sincerest form of flattery. Let me level the playing field even further. When you call me, press buttons as follows:

IMMEDIATELY AFTER DIALING, PRESS THE STAR (*) BUTTON FOR ENGLISH

- #1. To make an appointment to see me
- #2. To query a missing payment.
- #3. To transfer the call to my living room in case I am there.
- #4. To transfer the call to my bedroom in case I am sleeping
- #5. To transfer the call to my toilet in case I am attending to nature.
- #6.. To transfer the call to my mobile phone if I am not at home
- #7. To leave a message on my computer, a password to access my computer is required. Password will be communicated to you at a later date to that Authorized Contact mentioned earlier.
- #8. To return to the main menu and to listen to options 1 through 7.
- #9. To make a general complaint or inquiry. The contact will then be put on hold, pending the attention of my automated answering service.
- #10. This is a second reminder to press* for English.

While this may, on occasion, involve a lengthy wait, uplifting music will play for the duration of the call. Regrettably, but again following your example, I must also levy an establishment fee to cover the setting up of this new arrangement. May I wish you a happy, if ever so slightly less prosperous New Year?

Your Humble Client

PS--And remember: Don't make old people mad. We don't like being old in the first place, so it doesn't take much to piss us off.



September 2019

PREPAREDNESS LEADS TO READINESS - MATT W8DEC



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 ARES Net 8:30 PM 146.745 PL 110.9	2 ---> Labor Day 	3	1	5 Be Late for Something Day	6 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	7 Neither Rain nor Snow Day
8 Grandparent's Day	9	10 Ham Breakfast Eat'n Park Austintown 8:30 A.M. Board Meeting Eat'n Park Austintown 7:00 P.M.	11 	12	13 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	14 National Cream-Filled Donut Day
15	16 ARES Net 8:30 PM 146.745 PL 110.9	17 WRARC Meeting 7:00 P.M.	18	19 WaveBender Input Due	20 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	21
22 Hobbit Day	23 Autumn begins	24 Eat'n Park Austintown 8:30 A.M. Ham Community Breakfast	25	26 Johnny Appleseed Day	27 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	28 Ask a Stupid Question Day
29 Rosh Hashanah	30 National Mud Pack Day				10/4 WRARC Net 9:00PM 145.270 Swap n' Shop Ask the Elmers	International Frugal Fun Day