



"DRUMLINS RUMBLINS"- JANUARY 2024

WE'RE meeting at the WAYNE COUNTY SECOND FLOOR EOC ROOM

Wayne County Public Services Building 7227 Rte 31 Lyons NY 14489

WEDNESDAY JANUARY 17TH MEETING START 7:30PM

REMEMBER: The front door and the EMO entrance will be unlocked from 6:30-7:30pm.
So arrive in this time period for an easy entry.



*****YOU HAVE A LITTLE LEEWAY TO GET IN UNTIL 7:55PM!

->->->->WINTER TIME !!!!!!!!!!!!!!!

BAD WEATHER! WATCH THE CLUB EMAIL FOR MEETING CANCELLATIONS!!!!!!

I have at least all the Pumpkin Patrol DARC members' cell numbers in my cell directory. If for some reason you can't get to an email device you may text me on my **cell number** (315-871-8767), beforehand. I will get on the 685 (The leaves are gone.), and 745 **repeaters** for **announcements** at least on the half hours, too. There is nothing important enough for a



DARC meeting for any members to go out in nasty WX.

During times of bad weather and driving conditions, keep an ear on the local repeaters in the area. Who knows there may be a ham needing help. <-<-<-<-<-<-



Bring some \$\$\$\$ for the 50/50! \$3.00 gets you 5 tickets for a chance to win. Pluck in some \$\$\$\$ for the scones, popcorn, coffee and soda drinks too. The funds pay for the DARC annual August picnic and prizes for the December now annual Holiday Pizza Party.

[Yes, Tris, I have my dollar bills ready for the 50/50! KB2KBY came with a \$20 dollar bill! Ahhhhhhhhhh! That's a NO NO.]

PRESIDENT'S KORNER

Happy New Year 2024 to all of you! May this year be one with good health and good times for all. Last year as DARC President the year went “zzzzzzzip,” it went go fast. No one is paying attention to my requests to slow time down. Hi hi. Yes, I know it is impossible. Dodo Dave is not that dumb. But it is the American way to complain, right? Hi hi. You know I don’t complain much and mostly just to “pull a leg” or two. You have to have fun.

I thank, personally, all the **DARC BOD** members of 2023 who were gracious to “re-enlist” in total as your new BOD for 2024! Luckily DARC does not “draft” anyone which means in terms of military vocabulary, they “re-enlisted.” Believe me, anyone, who was of draft age before 1970, knows what the draft was. No joke. You youngsters have no idea. Hi hi. (KB2KBY enlisted in 1964. Thankfully that decision saved my butt opening my MOS, a.k.a. military occupational specialty, in the Army Security Agency.) **Thank you fellow BOD members for continuing your duties.**



Speaking of fun, if you didn’t make it to the December meeting, you missed a good one. (Aren’t they all good? Hi hi.) We had our Second Annual Holiday Pizza Party! It was suggested by N2MKY, Jeff, at our November meeting, “Let’s have another pizza party for December.” Gee, there was no objection to the motion. Hi hi. See, fun is still a good incentive for a meeting and add prizes it is even bigger and better. KC2TNJ, Jay, had some nice videos to watch while we ate. It suddenly turned quiet. (Yes, even “Talks Too Much “Dave was quiet.) Pizza, soda drinks, coffee, popcorn, and Tris’s scones and her special once-and-awhile coffee cake, there was a lot to eat and enjoy. You missed out.



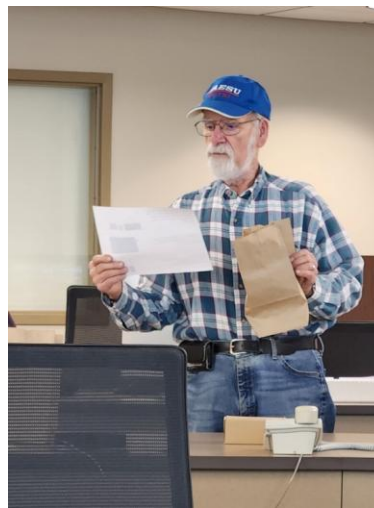
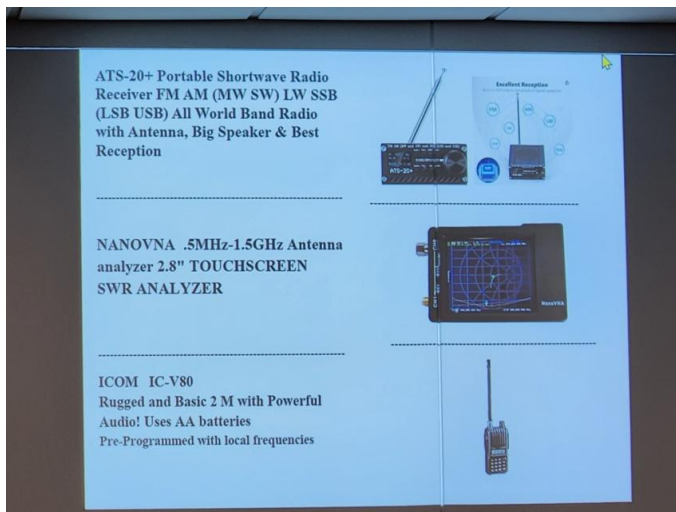
Who is this **sneaking** a pizza slice?

(Got you, KD2SZT! Hi hi.)



Prizes? The prize drawings were officiated by KC2TNJ, Rich the usual 50/50 drawing.

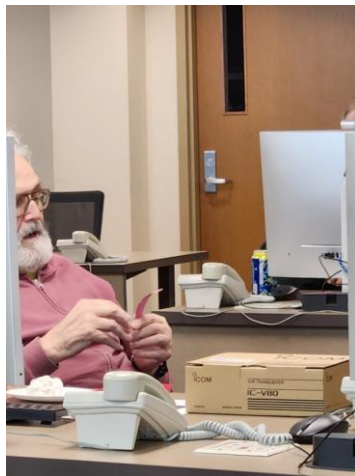
and Tris with separate tickets from



KC2TNJ announcing

prizes with XYL Tris.

AL, **K2PMPE**, was the winner of the **Icom IC-V80**, a nice 2m HT with AA battery pack and pre-programmed. Have fun with IC-V80, Al.



Al K2MPE with is HT.

(KC2TCM said he would program the HT for Al.)

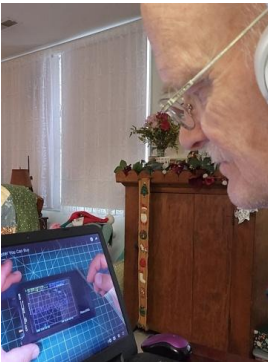
The **ATS-20+ portable SW receiver** went to Ed, **N0EK**. It is a neat little unit with FM, AM (MW SW), LW SSB (LSB USB), antenna and rechargeable battery. It is sweet compact neat unit. Ed had emailed his using the ATS-20+ with a short video using CW which we'll play at the meeting. Ed was very surprised with unit and I was equally amazed.



Ed N0EK

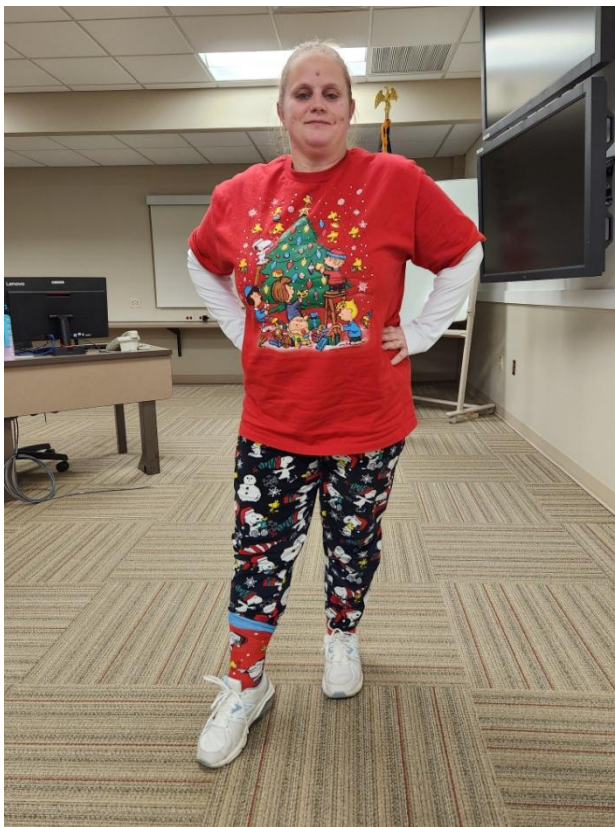
(Ed sent me a little video of the rig and he is amazed how well it performs. Come to the meeting and find out!)

The **NANNOVA** touch screen SWR analyzer was won my KB2KBY, me. Jeff, N2MKT, did a nice little program on this little analyzer unit. It is neat. But Dodo Analyzer Dave has another sharp learning curve to tackle. I feel a headache coming on. Hi hi. You know me, CW is a miracle still to me.



KB2KBY trying making sense using the analyzer using You Tube. (I did get it programmed!)

If all of this food and prizes doesn't make you envious missing the meeting, look at this picture of **Sabrina**, WD2STK, you missed! Sabrina was dressed to the Holiday Pizza Party to the "10s" from her neck to her socks, literally, in a Peanuts décor.



Can't reduce this picture! Hi hi.

We are happy to report **WB2STK's**, Sabrina, cochlear surgery was a great success! XYM Jay told me Sabrina could near the tinkling of forks and knives on other patron's table when eating out for the first time. Kudos, Sabrina, for getting the ton of paperwork completed to get the ball rolling. I remember Sabrina working in the paperwork way back at the SIARC "field day" club anniversary at KB2NCI's QTH. When was that in the spring? Even this editor who wrote about the SIARC event can't remember. Hi hi. Praise to the inventors, doctors, and the technology able to make this possible. I asked Jay if he says all the "sweet nothings" in her bad ear or now good ear. He said in her good ear. Good for you, Jay. Thumbs up!



Welcome to our newest members of DARC

Erik William Berniamino **KE2CJL**. Erik has a “Tech” ticket and his QTH is Newark. Eric has been a few times on the SIARC Health and Welfare net with just an HT. Well done, Erik! (I am envious as I am very compromised even using a 2m rug at my QTH.)

Don Flick **W2DEF** just upgraded to General and lives in Williamson. He is interested in helping ARES and RACES. (Thank you, Don, as we need the help.)

We appreciate your membership with DARC. We hope to have an “**eyeball QSO**” at a meeting when you can make a meeting night. Don’t be afraid to ask for advice and help from our reservoir of talent with club members.

Drumlins Annual Spring Fling

Saturday April 6, 2024

BLUE RIBBON DINER

5PM – Social Time

6PM – Dinner

**Last year’s Spring Fling was a hit,
So we’re repeating again at the Blue Ribbon.**

**We will be ordering off their regular menu.
I’ll email the menu closer to the dinner.**

Cash ONLY, individual checks

SAVE THE DATE!



RACES-ARES JANUARY 2024



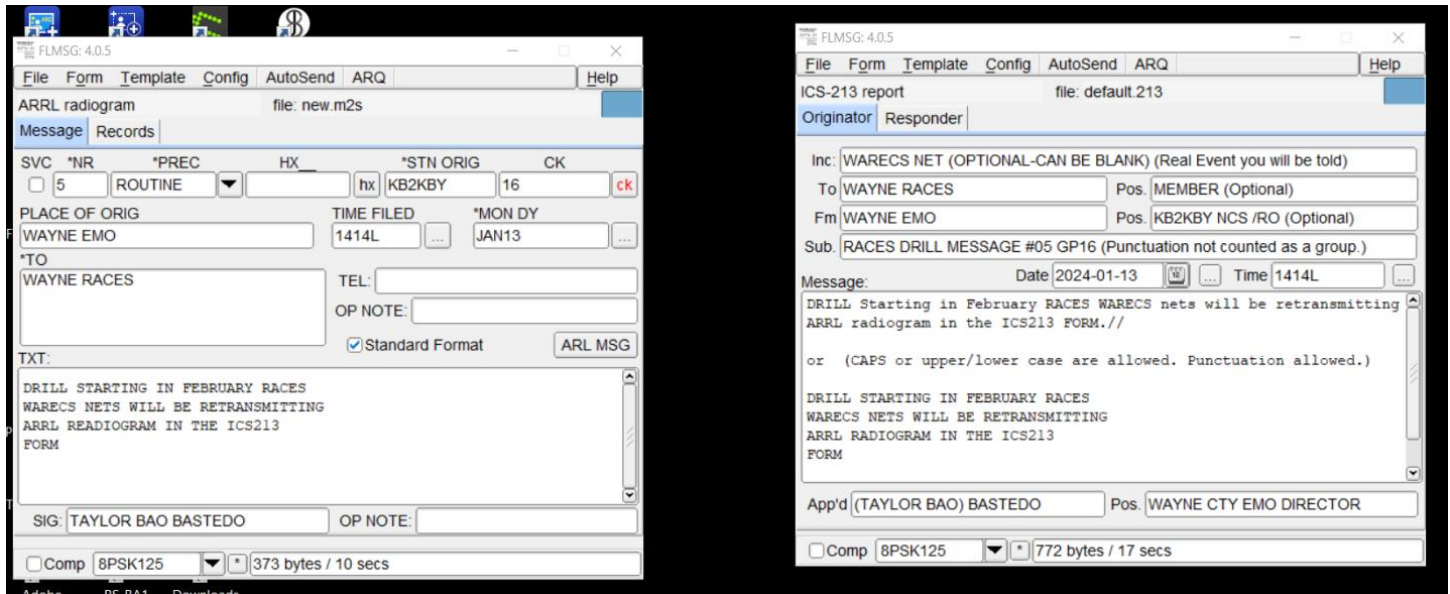
WARECS NETS: ALL NETS WILL BE ON THE WA2AAZ REPEATER ON 146.745 UNTIL ?????

RADIOGRAM TO ICS-213 FORMATTING: The January 14th Sunday night drill message explains what is going to happen in 2024.

It is not that hard to transfer information from a radiogram form to an ICS-213: Go to **FORM**, hit ICS, scroll to **ICS213** and click **ENTER**.

Bingo and the ICS-213 form come up. The nice thing is if the forms are small enough you can place them side by side as I did with this Greenshot.

The ICS-213 looks intimidating the transfer of information is really up to the real **event** going on and that can be simplified accordingly. As with any governmental organization you will have no problem being told what to do.



The important thing is the correct information is passed on with to, from, date and time to less organized non-hams. Hi hi. Really! In a real event, believe me; you will be informed about all the particulars what has to done. We are usually just the “messenger” as the old saying goes. We are used to accuracy.

This is no different when the ARRL revised the standard operating procedure (SOP), many many years ago. In fact most of you present RACES members will probably not even know. It is sooooooooooooooooooooo long even I can't give a year the SOP was changed. Anybody remember? Hi hi, no joke, it has been too long. You'll see in the WARECS nets how it can be done and the info correctly transferred.

KB2NCI and the SIARC "HEALTH and WELFARE NET"



950 NETS JANUARY 12th

(I think I counted right. Hi hi.)

STILL GOING STRONG!!!. Kudos, Tom! Get acquainted with some of our SIARC friends and the surrounding counties. **Thank you, Tom, for being so patient and sacrificing your time.**

Tom's SIARC health and welfare net is open to all hams that can hit the **146.820 repeater (tone 110.9)**, either mobile or from your QTH. Just listen to Tom's or the NCS's instructions always given first as the net starts like we all know as hams and used to a SOP. So listen for the SOP at the beginning of the net. Only the third Wednesday of the month, the SIARC meeting night, is there no net. (I try to check in once or twice a week.)



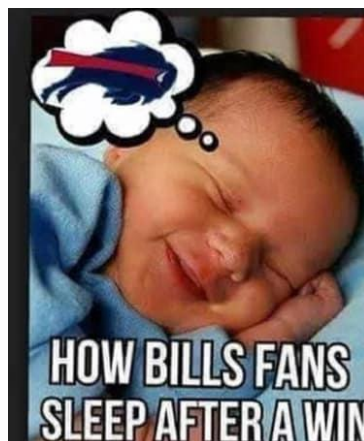
MEETING PROGRAM:

Disappearing Ham Radio History Hope for the Future If you're a ham radio operator, you probably have your own personal history of ham radio, and in this video Tom Perera, W1TP, tells his story of ham radio. From shopping for used parts in Manhattan's Radio Row, installing a tower single handedly to the inevitable scaling down of the parts inventory, Tom relates his over 70 year history in Amateur Radio.



Disappearing Ham Radio History - Hope for the Future

Tom Perera is the founder of the "Enigma Museum" in Hancock VT, so I am very interested in what he says in this video. [Editor note: Our Gene K2KJI of "KJI Electronics" in New Jersey knows Tom personally and his knowledge of the German WW2 Enigma cipher machine. (Doesn't surprise me at all with Gene. Hi hi.) You know I could talk forever on cipher machine. Hi hi.



JANUARY VHF CONTEST

Contest Objective: For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada.

Dates: The third or fourth full weekend in January as announced. (**January 20-22, 2024**)

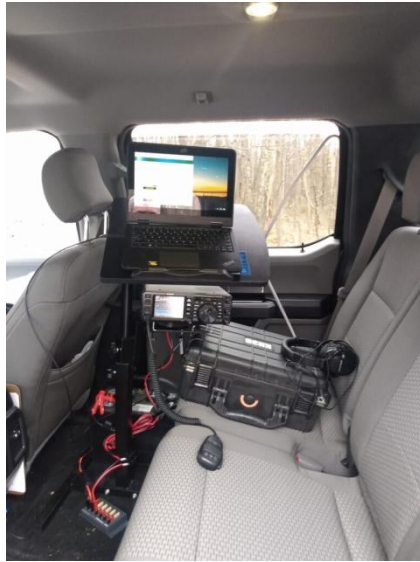
Contest Period: Begins 1900 UTC Saturday, ends 0359 UTC Monday.

Rule Changes for 2024: Participants in the FM Only category can now count contacts made on 902 MHz and 1.2 GHz toward their scores. Previously, only contacts on the four lowest VHF bands (50, 144, 222 and 432 MHz) counted toward participants' scores in this category.

[Click Here for Complete ARRL January VHF Contest Rules \(PDF\)](#)

All legal modes are permitted (while CW and SSB/Phone are most common, MSK144, FT8 and FM-Only are gaining popularity - other popular modes include PSK31, FSK441 and JT65). For Cabrillo file mode definitions, Digital modes should be represented as "DG" (for all things digital), SSB Phone as "PH", FM voice as "FM", and CW as "CW".

Stations in KH0-9, KL7 & KP1-KP5, CY9 and CY0 count as W/VE stations and can be worked by DX stations for contest credit.





ATTENTION ALL AGENTS!

Crypto Transmission from KPH!

The Maritime Radio Historical Society, in cooperation with our good friends at the [Cipher History Museum](#), present a unique, over-the-air cryptographic challenge.

******* (IF YOU PUT YOUR MOUSE OVER THE PRINTED BLUE LETTERS IT WILL TAKE YOU TO LINK) *******

On January 20 2024, KPH will transmit a coded message consisting of 5-digit groups. The message will be encrypted using typical Cold War numbers station cryptographic procedures. All KPH listeners are invited to try their hand at receiving and decrypting the message. Certificates will be awarded to those who successfully decode the message. Additionally, a special certificate will be awarded to the first person to decode it.

Background

"Numbers Stations? It's said that they're relics from the Cold War; a way for various intelligence services to communicate with agents in the field. The truth... well, you're not actually cleared for what the truth is." — Agent Johnson, Fugue State

During the Cold War era, 'Numbers Stations' were frequently heard on the shortwave bands by radio amateurs and SWLs. Using voice or Morse code, these stations would broadcast encrypted messages in the form of five-letter groups of numbers.

Although the Cold War has ended (*has it?*), there are still active numbers stations and new ones keep appearing, broadcasting covert messages from secret and officially non-existing radio installations. Who is listening to them? That remains a mystery.

The encryption methods used by number stations are widely believed to use a one-time pad (OTP) procedure: the simple addition (or subtraction) of a set of random numbers from the OTP to encode (or decode) the plaintext. Once used, the OTP key was never re-used and destroyed after use. Number stations still offer a powerful advantage in our modern world: provably unbreakable security and complete anonymity. All the recipient needs are the OTP, a shortwave radio, and to be on the right frequency at the right time.

You say your tradecraft procedures are a bit rusty? Perhaps you have mislaid your code book? Normally you'd be recalled, and provide explanations once you return to Langley. However, there's good news! MRHS is here to help. At great cost, we have managed to intercept a copy of the OTP that was used to encode the message. Please find the link below for the decode procedure and further information.

Numbers Broadcast: Date, Time and Formats

The numbers broadcast will commence at 2100Z (1300 PST) on 20 January 2024 on all KPH CW and RTTY frequencies. The CW frequencies are (in kilocycles): 425.0, 6477.5, 8642.0, 12808.5, 17016.8, and 22477.5 . Upon completion of the CW transmission, the broadcast will be repeated using RTTY (170cps shift, 45 baud) on the following frequencies: 6324.5, 8427.0 and 12585.5 kcs.

Certificates

Certificates of Cryptographic Excellence will be awarded upon proof of successful decode of the Numbers Message. A special certificate will be awarded to the first Agent to manually decode the message (i.e. using pen and paper, without the use of a computer program).

Rules for Certificates

1. 72-hour time Limit: Numbers messages are time-sensitive! Your decoded message must be received at the email address below within 72 hours (i.e. before 2000Z (1300 Pacific) on 23 January 2024.
2. Group Efforts: While MRHS encourages group efforts, only one certificate will be awarded per group.
3. The Numbers Message is top-secret! Please do not share the encoded Numbers Message or decrypted message before the 72-hour time-limit has expired. Only apply for a certificate if you or your team have actually received the message over the air (or on a web-based SDR) and decrypted the message yourself.

To apply for a certificate, send email to crypto@radiomarine.org with the subject line 'Decoded Numbers Message'. Please include the following:

- The decoded message in plaintext, **properly re-formatted into words**.
- The frequency and location where the Numbers Message intercepted. Signal reports are encouraged!
- The exact name you wish to have on your certificate.

Certificates of 'Cryptographic Excellence' will be awarded to all Agents who demonstrate a successful decode of the Numbers Message. These certificates will be emailed in digital form suitable for printing at home. A special hand-signed certificate, embossed with the MRHS seal, will be awarded for 'First-to-Decode'. This award will be based on the timestamp of the first email demonstrating a successful decode.

Instructions for decoding the Numbers Message

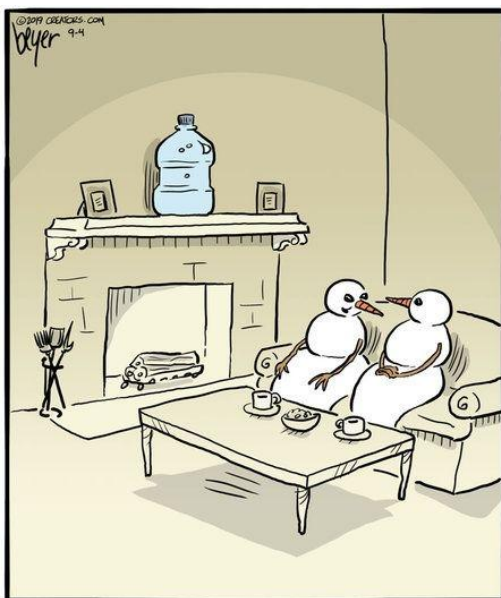
For helpful instructions on decoding numbers messages and related one-time pad procedures, please visit the [Mission Critical Information](#) page

IMPORTANT: in addition to the above instructions, you will also need three items: the *one-time pad* (OTP), a *conversion chart* and the *codebook*. These items are available at the [Mission Critical Information](#) page

Further Information For more information or questions about the KPH Numbers Broadcast send email to crypto@radiomarine.org. 73 es GL, Maritime Radio Historical Society

BURN AFTER READING (IF YOU PUT YOUR MOUSE OVER THE PRINTED BLUE LETTERS IT WILL TAKE YOU TO LINK)

Click [HERE](#) for Mission Critical Information... >>====> Crypto email: crypto@radiomarine.org



"That's Frosty. He wanted to be cremated."



SEE YOU NEXT MONTH