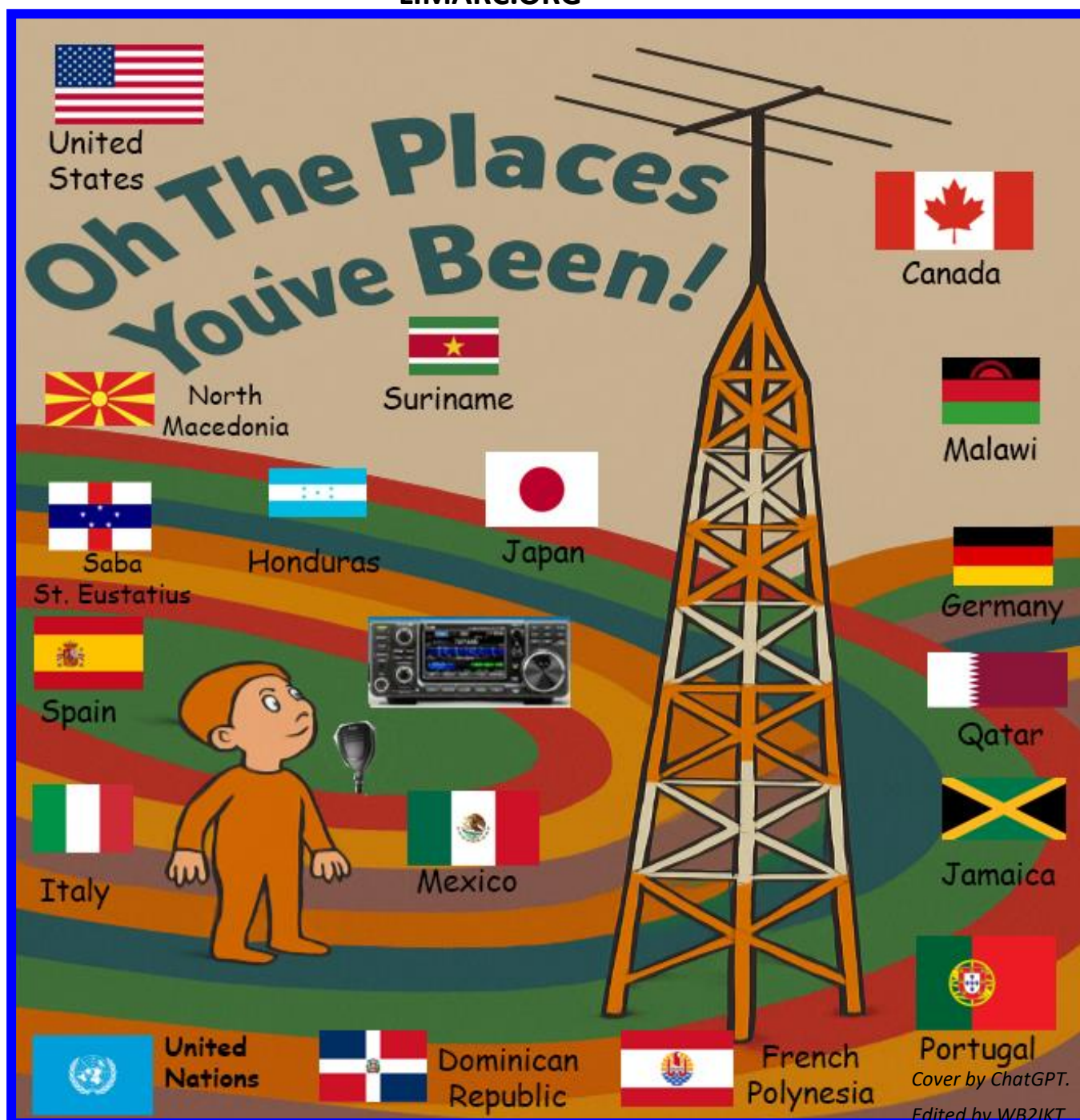
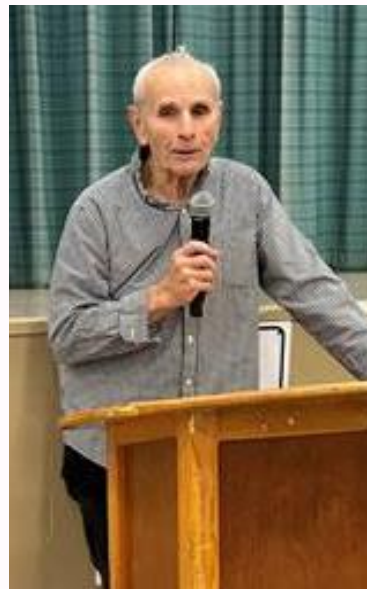


We Are
All
About
Ham
Radio!

LIMARC.ORG



Cover by ChatGPT.
Edited by WB2IKT



Greetings!

Welcome back from what I hope was a very good summer. Whether you had a few days or longer vacation time, I hope that it was filled with rewarding experiences.

The Executive Board has spent time trying to provide programs that provide excellent amateur radio related education and hands on knowledge. As always, one of our primary responsibilities is to keep our repeater systems reliable and in use. We hope that many of you take advantage of the opportunities to help us keep the repeater activity going. If equipment upgrades are necessary we will take care of them.

We try to have interesting presentations at our meetings and hope that you will make the effort to attend in person. We know that one of the great benefits of our hobby is meeting some of the nicest people and establishing long lasting friendships. We also know that we learn a great deal from each other related both to amateur radio and one's life experiences.

President's Message (cont.)

When possible we will have hands-on training sessions as part of our meetings. We look to you to give us some guidance on what you would like to have as training sessions.

We will have our regular in-person hamfests and at least one virtual hamfest. We'll have our regular September exhibit at the Levittown Library; hopefully two special events at the cradle of Aviation, and we are looking for other possible events in which to participate. We expect to be part of Winter Field Day and of course Field Day in June.

Finally, a sincere hope that this might be the time that we can get more of you involved in the management of the club. New officers and chairmen bring new ideas and new energy; like the refreshed feeling that you get as you return from summer vacation.

Welcome back!

73,

Richie Cetron, K2KNB

President

PS: The September 10th meeting

at Levittown Hall will feature (not green) frankfurter night.



LIMARC Board Meeting Minutes 2025-08-06

Officers present: President - Richie K2KNB, Vice President - George WB2IKT, Secretary - Ken WB2KWC, Treasurer - Jerry WB2ZEX

Directors present: Harry KC2FYJ, Ken KD2GXL, Glenn WB2QDS, Al W2QZ, Peter KC2ZVT

Guests present: Steve WB2KDG, Sig KB2HHU, Larry W2LAG, Gary W2MIT, Steve WB2WAK, Andy KD2ESY

This was a Zoom only meeting.

Ken WB2KWC was not at the July Board meeting, so the reading of the July Board Minutes was tabled.

2027 is the 100th anniversary of the Lindbergh flight so we will have a special event station operating for the anniversary.

The Picnic was successful, with about 55-60 attendees. The food was very good. Joe N2IMF did a great job cooking . The menu included hot dogs, hamburgers, and a vegetable medley. Michele KD2ZMV made a salad. This was the first time that the weather report called for good weather and we actually had good weather. Jeff N2ION picked up Richie at 0515 AM.

Many people have made donations to LIMARC. Jerry WB2ZEX will be creating a database of the donations. One person liked the picnic so much he made a \$100 donation. We need to create a donations committee to track and encourage people to make donations to LIMARC. Beginning in September we will be keeping track of donations. The committee will include Jerry WB2ZEX, Richie K2KNB, and Sig KB2HHU.

We really appreciate those members who volunteer to help with LIMARC activities; there are about 30 of us that regularly volunteer. Perhaps we should do a volunteer of the month award. Al W2QZ volunteered to manage that committee.

George WB2IKT told us that Sig KB2HHU was able to take down the antenna of Chet W2DPR.

George WB2IKT told us that the program for the September meeting will be a discussion of a new digital mode for HF; like FT8, this mode is open source. We are working with the staff at Hofstra, Andy KD2RAD, and Steve KA2YHY to establish a class for students to get a ham license.

We contacted the Levittown Library to see when their construction will end so we can put up the display like we do every September.

LIMARC Board Meeting Minutes 2025-08-06 (cont.)

Secretary: Ken WB2KWC said that we have received a thank you from Barbara KD2PIH the wife of John K2JBC for the tribute we paid to him.

Treasurer: Jerry WB2ZEX said that we still have one Hamfest and possibly another Virtual Hamfest so we are in pretty good financial shape.

VP: George WB2IKT said that one of the email addresses that we have in our Constant Contact database is invalid, he will try to figure out the correct address.

ARES: The next meeting will be in September at the Red Cross building. This will be a joint meeting with RACES or on Zoom. The next event will be the American Cancer Society walk in September.

Field Day: A networking /IRQ conflict/address issue prevented the linking of the two Digital stations' laptops. The laptops used are obsolete; CPU and memory are maxed out, in need of an upgrade for next year. Chris (the park supervisor) was very helpful.

Picnic: Larry W2LAG told us that the picnic pictures are posted on the LIMARC web site as well as Facebook, YouTube and X.

New Business: George WB2IKT is checking his IEEE resources to see if AI can be used to improve our organization. Richie K2KNB said that this could be a new project or committee.

September Meeting: We are looking to have food at our September, end of summer break, meeting.

The meeting adjourned at 9:30 pm.

Votes/Actions:

Respectfully submitted;

Ken Gunther WB2KWC

LIMARC Secretary

Ed Note: General Meetings were not held in July or August. Hence no meeting minutes.

Current Happenings in Nassau County ARES



Nassau County A.R.E.S. normally meets on the second and fourth Thursdays of the month. All are welcome to attend!

As we turn the calendar to September we are on alert for weather related events and winding down our season of Public Service Events.

Our Next Meeting will be Thursday, September 4th, 7:30pm, this will be a Joint Meeting with Nassau RACES at Nassau County OEM 510 Grumman Rd W, Bethpage, NY 11714 (This is a change from our September 11th meeting)

During the Month of August Nassau RACES' Chief Radio Officer Bob Long KC2PSN passed away after a long battle with cancer. Bob was a mentor to many and always extended a hand of friendship to all the sister organizations/clubs.

We are now in the planning stages for our next event, the last of the season, the American Cancer Society's *Making Strides Against Breast Cancer Walk* at Jones Beach on Sunday, October 19th

If you want to join or help with the events, please contact Ken at kd2gxl@ncaresmail.net.

To join us requires very little, an FCC license, a radio and a desire to help and learn. Part of being a licensed radio operator is for public service, every time we support on of these events, we practice our radio skills so we are prepared when an emergency does arrive (i.e. when traditional methods of communication are inoperable, such as Weather-related storms, or other disasters). For further information use the email above or go to our webpage:

www.nassaucountyares.org

Ken Kobetitsch, KD2GXL

District Emergency Coordinator, Nassau County, NY



LIMARC Picnic 2025 Photo Collage



LIMARC was blessed with perfect weather for a picnic in the park. 52 members signaled their intention to attend; but it seemed like more than that showed up. Plenty of food thanks to Joe N2IMF whose cooking delighted all with hot dogs and hamburgers; Michele KD2ZMV who offered healthy salads, and Richie K2KNB whose pulled pork and corn were culinary delights. Craig KD2OGB entertained the kids with face-painting. Larry WA2SUH somehow managed to pull off 2 bunny hunts offering participants exhilarating hikes through sylvan trails. Observe LIMARC members and their families at the picnic in the following photos:





Finding the Wascilly Wabbit

The Story of the LIMARC Picnic Bunny Hunt

- By Larry WA2SUH

Over the years it's been a tradition to have the hunts as part of the picnic activities. This year we had two bunny hunts, with John KD2AKX hiding the *Wabbit* for both. The participants were: KE2AJO-Jose, KE2AWX-Charlie, KB2HHU-Sig, KD2ZMV-Michele, N2ZEA-Glen, W2JPM-John, KD2OGB-Craig and WA2SUH-Larry. I may have missed a few others. As we began, the participants gathered around a picnic table. Since several people had never tried hunting, I reviewed some basic instructions:

"The transmissions will be at 145.575. You will hear a series of random tones followed by a CW ID. It transmits for about 30 seconds and comes back on after about 30 seconds. For walk-in hunts a very good technique is the 'body fade method.' You put the HT up against the front of your body, look at the S meter to see the reading and then spin around slowly until you see the weakest reading, the null. Your body attenuates the signal, and the transmitter will be 180 degrees behind you. Then keep repeating as you get closer. When the signal gets so strong that you can't get a null, take off the antenna, staying on 145.575. When you can't get a null with the antenna off on 145.575, using the same technique, shift up to 145.580 and finally 145.585. When the meter pins at 145.585 you are within a few feet. When you get **really** close you can go to the third harmonic, 436.725. If you hear it there, you are on top of it. Then search for the rabbit: a green ammunition box with a rubber duck antenna."

The original bunny box was built over 20 years ago by Leon NI2P and featured a voice synthesizer activated by touch tones. The transmitter is a Radio Shack HTX 202 operating at 4 watts using a house alarm type rechargeable battery at 12V 7AH. Eventually the box needed rebuilding. Leon had passed away and we couldn't find a schematic. Joe WJ2B rebuilt the box using a Byonics PicCon Controller. It transmits random tones and cycles on and off every 30 seconds or so.



Inside the Wascilly Wabbit



Elmer the Hunter



The Wascilly Wabbit's Hutch

To reduce the power to make it easier for close-in hunting, I used a 20 db attenuator on the bunny box, to lower the power to about 40 milliwatts. With reduced power and without taking off the antenna, you could still get nulls using the “body fade” technique. The two spots were less than 1000 feet away from this year’s picnic location. This year the picnic ended up at the eastern side of the large parking lot because the west side was closed off as a staging area for the Ryder Cup golf tournament coming in September. The first hunt spot was located in the brush between two paths. KE2AJ0 Jose and KE2AWX Charlie found it first. I think a few people (I was one) were hesitant to wander in there concerned about poison ivy or ticks. For the second spot, the box was buried in leaves next to a tree stump, close to a path. I didn’t see who came in first. The rest of us eventually got there. I think people had fun trying the “body fade” technique. Thanks to John KD2AKX for volunteering to hide the rabbit. He also hid it at the previous LIMARC picnic.

Participant’s Comments

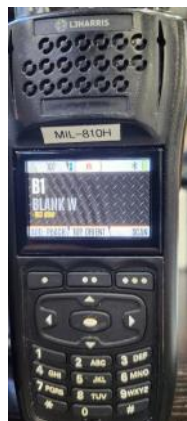
Glen N2ZEA My tape measure Yagi was built several years ago at Ham Radio University. It was made from a pvc pipe a couple feet long and elements from a steel measuring tape. The sniffer was built and sold by a ham in Australia, VK3YNG. It’s very sensitive. Just rotate the yagi; the primary direction is found by an increasingly high pitch. As you get closer, it auto-ranges and reduces sensitivity. It works reliably well. Find VK3YNG using a Google search .



Charlie KE2AWX: Jose KE2AJO was using my Quansheng UVK5 and I was using a L3Harris XL-200P. On the Quansheng, I turned on the spectrum analyzer to see the signal strength as we got closer. Every time the rabbit transmitted we were able to watch the signal increase until it just pegged out the scale.



The XL-200P was used in a similar fashion. I was watching the RSSI meter following the strength of the signal, instead of using a graph like the Quansheng. As the rabbit transmitted I was able to hold my radio horizontally instead of vertically and sweep the radio left to right, I watched the RSSI either increase in a direction or decrease as I swept it away from the transmitter. Once my RSSI was around a -45dbm I knew I was close and started to visually look for the transmitter. When the RSSI reached -30 dbm, I knew I was basically on top of the transmitter.



Larry WA2SUH For the first time I tried using a unidirectional loop that Andy WA2CDL had built. When you turn it on you hear a high pitched tone which disappears when you reach the null point. I connected it to a THF6 and it seemed to work, but I need to practice with that set up. Normally I just use the “body fade” technique with a Vertex 150.

Bethpage is great for on-foot hunts because the trails go in all directions from the parking lot. I have tried a couple of times to set up hunts in the months when there is no parking fee there on weekends, but there has been little interest. We can try again after the weekend of November 9th. If anyone has another suggestion for a location for a future walk-in hunt, preferably where there is no parking fee or residency requirement, let me know.

For the past 20 years or so we have had a transmitter hunt discussion group called LITHARC, first on Yahoo Groups and now on Groups IO. I welcome you to join us. I'd be happy to get together with anyone to have you try hunting for the transmitter, either on-foot or mobile.

RADE Presentation for September Meeting

Attend the LIMARC Meeting on September 10 to hear Moonear Salem K6AQ give us a “birds-eye” view of the RADE AUTOENCODER. Moonear is one of the software developers maintaining the FreeDV digital voice application. He is also handling integration of RADE into the FreeDV GUI application.

FreeDV is a suite of digital voice modes for HF radio. Its flagship mode is the Radio Autoencoder (RADE). RADE runs using a free GUI application for Windows, Linux and OSX that allows any SSB radio to be used for high quality digital voice.

RADE Resources [FreeDV – Open Source HF Digital Voice for Amateur Radio](#)

The [RADE Introduction](#) document is an introduction to Version 1 of RADE, and a description of the waveform. The target audience is the Radio Amateur and regulatory organizations that govern Amateur Radio. <https://freedv.org/radio-autoencoder/>

RADE presentation targeted at Radio Amateurs [YouTube Video](#) and [slide deck](#).

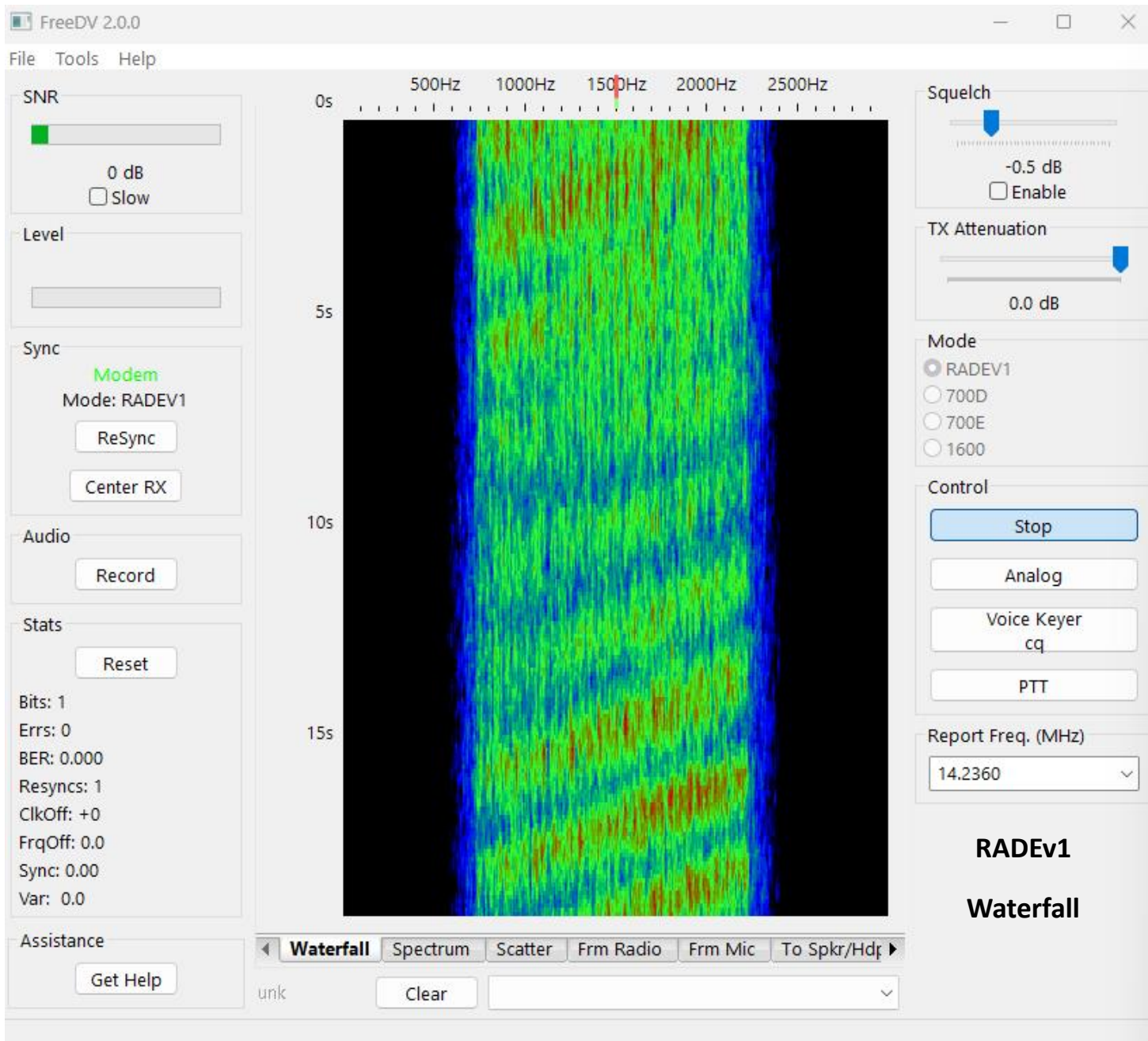
The development of RADE has been documented in a series of [blog](#) posts over the course of 2024.

[Radio Autoencoder](#) GitHub repo.

The HF RADE paper “**RADE: A Neural Codec for Transmitting Speech over HF Radio Channels**” has been peer reviewed and accepted for presentation at the WASPAA 2025 Conference in October: “[RADE: A Neural Codec for Transmitting Speech over HF Radio Channels](#)”, David Rowe and Jean-Marc Valin, 2025. (<https://arxiv.org/abs/2505.06671>)

RADE works well on fading channels even at very low signals levels and clearly outperforms common analog and digital systems used for VHF/UHF speech communications. The demo results support the carefully derived channel models, training and simulation results.

The RADE system can be seen as a drop in replacement for **any** existing vocoder/FEC on existing protocols. Instead of sending the typical 4 level FSK or GMSK symbols, you send the RADE symbols. Same radio hardware, and you can even keep your current framing (if you like).



Amateur Radio is transitioning from analog to digital, much as it transitioned from AM to SSB in the 1950s and 1960s. How would you feel if one or two companies owned the patents for SSB, then forced you to use their technology, made it illegal to experiment with or even understand the technology, and insisted you stay locked to it for the next 100 years? That's exactly what's been happening with digital voice.

FreeDV is unique as it uses 100% Open Source Software, including the speech codec. No secrets, nothing proprietary! FreeDV represents a path for 21st-century Amateur Radio where Hams are free to experiment and innovate.

Controlled testing suggests that the flagship RADE technology compares better than or favorably to SSB on high and low SNR channels.

COMING SOON

Digital Modes available on Smart Phone and computer apps.

By Steve Campolo; KA2YHY

Ok, let's get over the issue right away! Using computers, phones, and the internet is indeed Ham Radio. Where is it written that Ham Radio is limited to point-to-point RF communications? Nowhere! The middle "C" in FCC is **COMMUNICATIONS** and we all enjoy the privileges of Amateur Radio because we have agreed to provide emergency **COMMUNICATIONS** in times of disasters when the usual communications lines are inoperative. Do you think a stranded motorist will refuse your help if you use a digital mode? "Oh no, please do not call the police on DMR, I'll only accept help if you do it with point-to-point RF communications."

Nuff said.

Shortly, I will write an article for the LIMARC Log which will explain many of the digital modes that are accessible with your smart phone; be it iPhone or Android. Also, these same digital modes can be accessed on a PC. Simply, your phone (which is a computer as well as a radio) acts as a gateway to the internet for your VoIP (Voice Over Internet Protocol) packet (yes PACKET) take off at the speed of light and eventually find its way to another Hams ears.

So, you will be able to get on "the air" with DMR, D-Star, C4FM and other digital modes all from your Smart Phone. Of course, with each of these modes you will be able to communicate with Hams all over the world.

So, stand by, as all of the ingredients are in the pot, I am stirring it, and soon you will see the article in these pages.]

73, Steve KA2YHY

September LIMARC Exhibit at Levittown Library

After September 2nd come visit the Levittown Public Library at 1 Bluegrass Lane, Levittown N.Y. and check out the LIMARC display in the lobby. See past, present, and future amateur (ham) radio happenings on Long Island sponsored by LIMARC. <https://levittownpl.org>

VOLUNTEER OF THE MONTH *by AI W2QZ*

This month we are adding a new column to the Log in order to recognize the many members who volunteer their time to help make our club a success. Each month we will showcase a club member who contributes their time and talent.



TONY KOSTICK - N2ICD

Tony was first licensed in 1988 at the age of 13 and before the year was over, he had already upgraded to Extra! It was in that same year that he joined LIMARC. Over the years he has participated in many activities: selling tickets at our indoor and outdoor Hamfests, and setup and take down of equipment at our indoor Hamfest, as well as Field Day. He attends as many of LIMARC's monthly meetings as he can to "meet our members in person". Tony is also a credentialed Volunteer Examiner and has participated in over one hundred LIMARC test sessions! When asked why he volunteers, Tony replied that: "He gets a satisfied feeling". He finds club members to be very friendly and has learned a lot in talking with them. You can catch him on 85 using his Baofeng UV-5RA.

In his non-ham life, Tony works as an Administrative Assistant for the School of Arts and Sciences at SUNY Old Westbury. He enjoys hiking, playing Pickleball, and learning house repairs. OUR THANKS TO TONY AND ALL OF LIMARC's VOLUNTEERS!!

If you know a club member that you feel should be recognized for their participation in LIMARC activities; send their contact information and why you feel they should be recognized to: W2QZ@LIMARC.ORG.

LIMARC History

-- compiled by George Sullivan, WB2IKT

50 Years Ago—From the Sept 1975 Log

LIMARC's technical issues included activating PL on the repeaters as well as each member's rig; and setting up a 220 MHz repeater.. A "Tech Night" event was staged at the NYIT parking lot where LIMARC tech committee members tuned up and repaired 75 rigs.

40 Years Ago—From the Sept 1985 Log

Stan Buckwalter K2APL gave presentation on packet radio. Tech committee working on voting system and Doppler scan units. LIMARC had 549 members. Field Day report noted 2095 contacts and 86 members participating.

30 Years Ago—From the Sept 1995 Log

LIMARC made Levittown Hall its permanent general meeting venue. Field Day 1995 was LIMARC's most successful ever featuring 1143 CW contacts, 814 phone contacts for a total score over 8000 points.

20 Years Ago—From the Sept 2005 Log

The featured presentation was a video tour of W1AW, the ARRL HQ station. LIMARC celebrated its 40th anniversary at the Maine Maid Inn. The fall Hamfest took place at Briarcliff College.

10 Years Ago—From the Sept 2015 Log

The LIMARC Log from Sept 2015 was not available for this report. If anyone has a copy please forward it to George WB2IKT, the current Log editor.

Silent Keys

LIMARC regrets to inform you that members Bob Long, KC2PSN, and James Seddon WB2CYN, have passed away and became Silent Keys.



Heard on a LIMARC Net

The LIMARC Tech Net

Meets Sundays at 8PM on 146.85. AC2GS net control.

All technology may be discussed on this amazing net.

Space Net

Meets every Sunday immediately following the Tech Net.

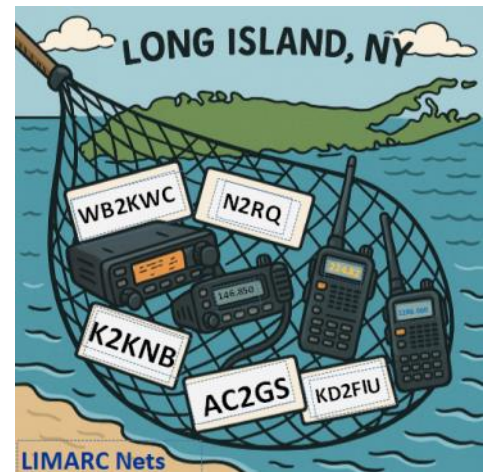
WS2N is net control

LIMARC Infonet

Meets every Monday evening at 8:30PM on 146.85 MHz. Rotating net control assignments

07-28-2025 KC2FYJ NetControl 30 check-ins

k2knb - reminder - be really careful outside due to the weather - hydrate and be really careful. be careful regarding plastic ingestion - this Wed will be the June meeting at Levittown Hall - it will be about field day which will begin Saturday at 2 PM - we will need help in loading the truck on Friday afternoon at 'Extra Space Storage' on Sunnyside Blvd in Plainview - email k2knb@limarc.org or [field day@](mailto:fieldday@) or kc2zvt@ to let us know if you will be there - we need the help - setup for field day begins at 7 AM on Saturday - no towers or beams - breakfast of bagels, etc, also lunch - we want to be finished setting up before 2PM when the event starts - a signup sheet is on the website - 24 hour operation - reminder Friday night nets 8:30 for 220 and 9:00 for 1.2gig net - please join them if you have the equipment - morning net has been running nicely - please join from 7:45 to about 9:00 AM - interesting conversations have been held - on 146.850 wb2kwc - this wed is 4th wed of the month, but due to the general meeting, there will be no computer net - next one will be on July 16th w2lag - adding about field day - if you know a particular time slot or slots you would like to operate, please be sure to go to limarc.org, click on 'field day 2025' and follow the instructions to reserve your time slot and station - this helps us ensure everyone gets to operate, and we run 24 hrs. please email w2lag@limarc.org n2rq - reminder about the GOTA station for anyone who hasn't operated in the past year or more



Swap & Shop Net

Meets every Monday immediately following the Infonet. KD2FIU is net control

Heard on a LIMARC Net (cont.)

Daily Morning Drive Time Net

Begins at 7:45 AM K2KNB is net control The participants discuss traffic, weather, and topical issues during their commutes as well as those who want to chime in with something to say.

Computer Net

Meets monthly on the 3rd and 4th Wednesdays at 8:30 PM. WB2KWC is net control.

08-20-2025—There were 7 Check-ins. We discussed the method that Richie K2KNB could stop paying for his extra Google Drive storage using Google Take Out. We also discussed computer backup.

Trivia Net

Meets on the 5th Wednesday at 8:30 PM K2KNB is net control

A fun net with memories, ham radio nostalgia, stories & reminders of the “good old days”.

220 and 1.2 GHz Friday Night Nets

Join us in checking out your 220 and 1.2 GHz equipment along with ad-hoc discussions.

8:30PM 224.82 MHz Pl. 136.5—Glen Oaks Input is 223.22 MHz

9:00 PM 1.2880 GHz Pl. 136.5—Glen Oaks Input is 1.276 GHz Wi2M is net control

Friday August 8, 2025

Stations : Wi2M Joe NCS; KD2UAH Rocco; KB2OIE Michael; W2DSX Jim

Topics: Used gear for 1.2ghz: Watch for older Japanese used gear for 1.2ghz as some equipment may not have PL tones and some possible band edge differences. Icom 9700 may suffer from front end overload on 1.2ghz band so buyer beware on the used market. 73, Joe Wi2M

Friday August 22,2025 K2KNB Richie NCS, Wi2M Joe NCS, N2iON Jeff

Richie started the net but had to take a call and sign off early so I continued the net.

73, Joe Wi2M

LIMARC's YouTube channel is a great resource for in-depth information on various topics. Our speaker videos, and others, are available for you to view on demand, 24 hours a day, 7 days a week! Point your smartphone camera at the QR code to take you directly there. Please **SUBSCRIBE** to get notified of new videos as we post them.



Also, visit the rest of our social media channels. If you are on these platforms, please **subscribe, like and follow** us. You can click on the links below or go to the bottom of ANY page on LIMARC.org to find all of our social media outlets. COME JOIN US!

- Facebook: <https://www.facebook.com/groups/longislandmobilearc>
- Instagram: <https://instagram.com/longislandmobilearc>
- LinkedIn: <https://linkedin.com/company/longislandmobilearc>
- YouTube: https://www.youtube.com/@longislandmobilearc?sub_confirmation=1
- X (Twitter): <https://x.com/LIMobileARC>



Join LIMARC Groups.io

This Groups.io Group, known as the "**LIMARC Reflector**" is open to LIMARC members in good standing. The LIMARC Reflector is used to post club notices, activities, and allow LIMARC members to share articles or postings, and their ideas about amateur radio and club-related materials amongst each other.

Go to <https://groups.io/register> Complete the Email address and Password fields, then click or tap the *Create An Account* button. Search for LIMARC and join. The moderator will notify you within 48 hours about your acceptance to the group.



ARRL VEC, 225 Main Street, Newington, CT 06111
Phone: 1-860-594-0300 web: arrrl.org/volunteer-examiners

Follow these three steps to become an ARRL Volunteer Examiner:

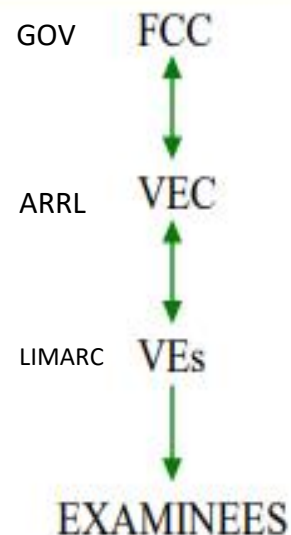
1. Review the Volunteer Examiner Manual paying special attention to Chapter 2: Becoming a Volunteer Examiner. Read the information that extends and supports the published manual. <http://www.arrrl.org/files/file/VEs/VE%20Manual%20Web%20Final%202022.pdf>
2. Complete and sign the Volunteer Application form and the open book review. (40 question review). <http://www.arrrl.org/files/file/VEs/ARRL%20VEC%20VE%20pkg%202022%20interactive.pdf>
3. Please fax, mail or email forms (Adobe PDF file or scanned JPEG image showing your real signature) to this address:

ARRL VEC , 225 Main Street, Newington Ct. 06111

Email: vec@arrrl.org



The VEC serves as the interface between the FCC and the VEs, who administer the exams to the candidates. VEs serve under the umbrella of the VEC, while the VEC supports the VEs and provides data to the FCC for issuance of licenses and resolution of regulatory issues.

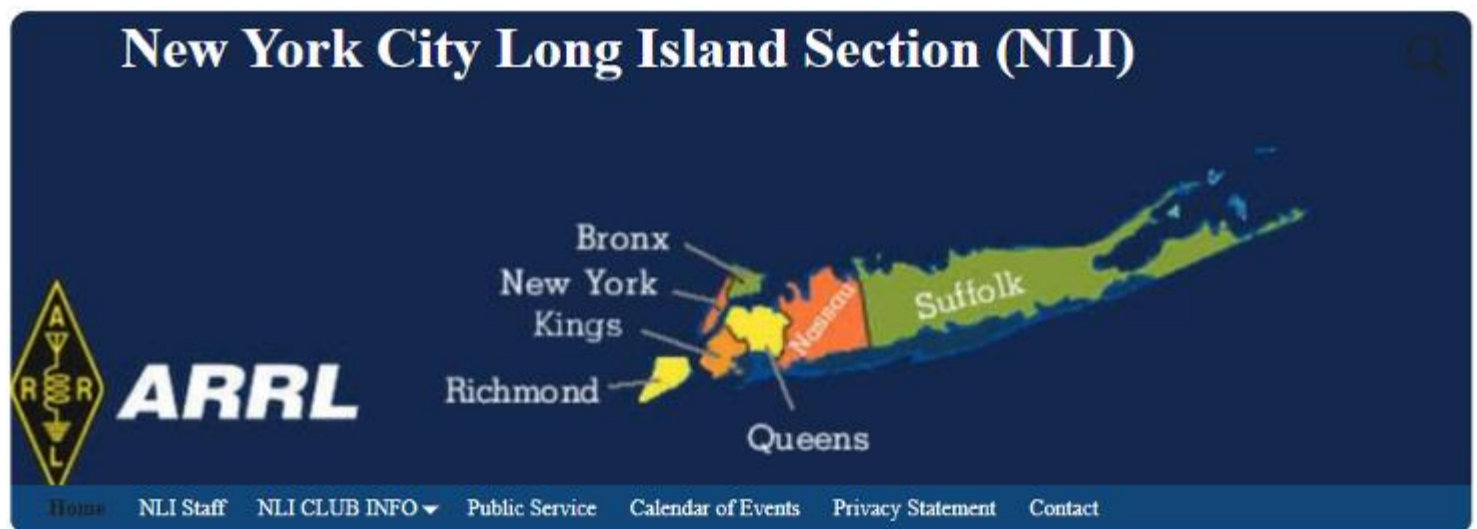


Reminder: LIMARC is a 501(c)(3) non-profit corporation. As such, all monetary donations are tax deductible, and equipment donations are deductible either to the amount that the club might sell the item for, or the fair market value. As we try to provide assistance to schools wishing to set up amateur radio programs, please consider us for your donations.

If You Hear Something, Tell Someone

Those of you who use the repeaters on a regular basis are all too aware of the fact that there are certain individuals who have nothing better to do with their time than to interfere with people on the repeater. An organized effort is ongoing to locate and identify these individuals.

YOU CAN HELP: If you hear malicious interference on any of the LIMARC repeaters, please hit the reverse (HM/RV) button on your radio and see if you are able to hear them on the input. Do not acknowledge the interference on the air. Please email your findings to RFI@limarc.org. Indicate if you heard them on the input. Include date, time, the repeater, your location and type of antenna; include the heading if you have a directional antenna.



Link to the ARRL NYC/LI Section Website

One can find recent happenings at the ARRL's NYC/LI section website: <http://nli.arrl.org/>



Join us for the second annual 2025 **IEEE World Forum on Public Safety Technology (WF-PST)**, a ground-breaking event dedicated to addressing current and future needs in public safety technology. Explore advancements in existing and emerging technologies, discover new research, and gain insights into breakthroughs shaping the future of public safety applications.

<https://engage.ieee.org/IEEE-WF-PST-Sign-Up.html>

The 2 1/2 day in-person program, filled with thought-provoking keynotes, critical-thinking panel discussions, and cutting-edge technical paper presentations, will deliver high-quality original research, unique innovations, and compelling insights into the future of public safety technologies.



- Positioning and Navigation Systems Challenges and Solutions: A Public Safety Perspective
- Cybersecurity for Public Safety – Safeguarding the Digital Future
- Disaster Response to Hurricane Helene in the Absence of Communications Infrastructure
- “Proactive RF Monitoring: Securing Critical Communications and Cutting Hidden Costs” Zero Downtime: How to Future-Proof LMR Networks with Real-Time RF Awareness
- Beyond the Badge: Trauma, Trust & Technology in Public Safety Wellness
- Public Safety Technologies: Needs and Challenges



- Investigate, identify, and prioritize opportunities for existing relevant technologies for solving real-world challenges that public safety agencies are/will be facing
- Research new technologies for filling the gaps in public safety applications
- Launch and lead sustainable activities, products, and services to establish the use of technologies by public safety entities, and generate new revenue streams
- Engage, interact, and collaborate, where appropriate, with public safety associations, industry consortia, academic and government entities

DOOR PRIZE DONATORS

These individuals, organizations, and companies contributed to our events. Please consider making future purchases from them as a thank you for their generosity and loyalty to LIMARC. Be sure to let them know that you saw their ad in the LIMARC LOG.





ScheckLABS

Buy & Sell your HAM radio gear
&
much more!

Proud to serve the Long Island
community with:

- Ham radio equipment Buy & Sell.
- Electronics test and service equipment.
- Electronic kits.
- Electronics components.
- Custom crimped power & coax cables.
- Battery kits.
- Educational clinics.



Check out our website see what new items we've added to our catalog:

<https://schecklabs.com/>

Subscribe to our YouTube channel to get notified of showcased items we've added to our catalog:

<https://www.youtube.com/@schecklabs>  YouTube

Follow us on INSTAGRAM:

[https://instagram.com/schecklabs?](https://instagram.com/schecklabs?igshid=OGQ5ZDc2ODk2ZA==)
[igshid=OGQ5ZDc2ODk2ZA==](https://instagram.com/schecklabs?igshid=OGQ5ZDc2ODk2ZA==)



Email : 4sale@schecklabs.com

ADVANCED SPECIALTIES INC.

YAESU
The radio

www.advancedspecialties.net

AMATEUR RADIO * SCANNERS



VX-6R
Triband
Submersible
Hand Held

FTM-510DR



**AMATEUR RADIO EQUIPMENT &
ACCESSORIES • SCANNERS**
ANLI • COMET • UNIDEN • YAESU

1-516-998-0370

880 West Beech St. • Long Beach, NY 11561



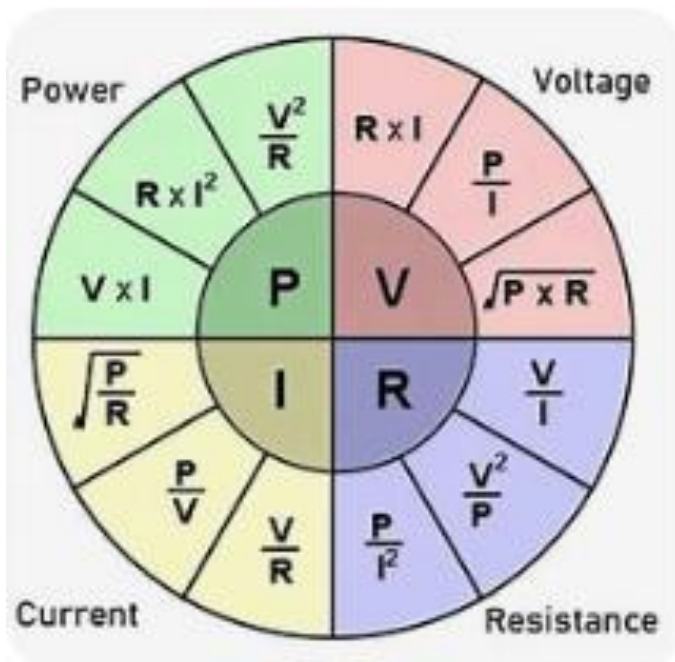
Closed Sunday & Monday



Support

LIMARC's

Advertisers



Ohm's law defines the relationship between Voltage, Current and Resistance: $V = I \times R$

Where:

V is the electrical potential (voltage), measured in volts (V),
I is the current, measured in Amperes (Amps/A), and
R is the resistance, measured in Ohms (Ω).

Joule's law states that: $P = V \times I$

where: **P** is Power, measured in Watts.

The combination of Ohm's law and Joule's law states 12 formulas where 2 of the 4 variables are known. To use the circle, choose the quadrant corresponding to the variable to calculate, then select the segment corresponding to the known variables' values.



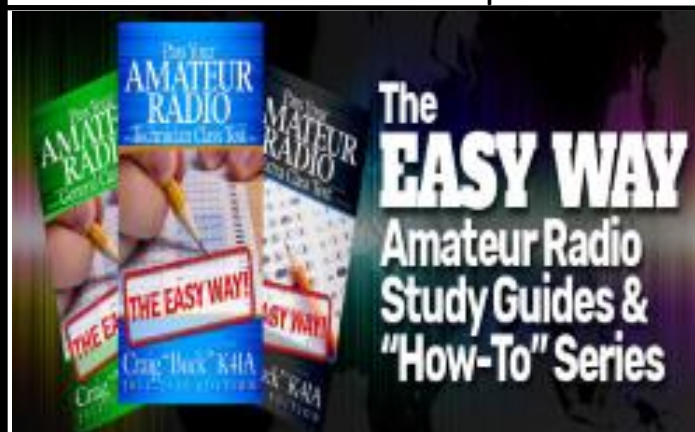
720 Old Bethpage Road

Old Bethpage, NY 11804

516-217-1000

Discounts to LIMARC Members

Show Your Membership Card



New Island Graphics

**Tennis Racket Re-Stringing
Tee Shirts- Printed and Blanks
Team Uniforms and Supplies**

Richie- K2KNB

516-694-4937

www.newislandgraphics.com



Diane Ortiz K2DO
George Tranos N2GA

MSF Basic RiderCourse
at Heckscher State Park, East Islip

Register Online for Classes at
www.bigapplemoto.com
Get Your Motorcycle License Now!
Gift Certificates Available
Group and One-on-One Lessons

516-639-9977

Learn to ride a motorcycle safely!
We offer classes for new riders
and experienced riders!

MSF
MSF & NY Approved
DMV Road Test Waived



Dave Schneider

Parts, components, cables,

connectors, adapters, etc.



Your Name in Light - Personalized On Air lit sign at 26% off for LIMARC members only by Light Signs Cave

LIMARC members need to contact us at support@lightsignscave.com with their call sign. Once we've validated your membership, you'll receive a coupon code to use at checkout. Site/Store: <https://lightsignscave.com>



Wilson Woodworks Long Island, LLC Custom Engraving



1 - \$29.95

2 - \$29.95

3 - \$29.95

4 - \$29.95



5

6

7

ID Badges \$10 each



10"x6" Sign - \$35

12" x 7" Lighted Sign - \$29.95

15" Round Sign
\$49.95

Order yours today!!
(516) 315-3730
www.wilsonwoodworksli.com



HEIL HAM RADIO



Town Bagel

Since 1976



We Specialize in Catering For All Occasions !

Bellmore
2729 Merrick Road
Bellmore, NY 11710

Tel: (516) 785-8986
Fax: (516) 785-8987

Massapequa
4917 Merrick Road
Massapequa Park

Tel: (516) 541-4341
Fax: (516) 541-4358

Plainview
1133 Old Country Road
Plainview, NY 11803

Tel: (516) 931-7698
Fax: (516) 931-1569

Town Bagel Wantagh
1239 Wantagh Avenue
Wantagh, NY 11793

Tel: (516) 221-2397
Fax: (516) 221-2497

W2LIE.NET
Monitor Long Island, Inc.

Ham Radio and Scanner Radio Programming

Check our Website for Live Streaming Radio Feeds:
Police, Fire, Amateur Radio, and 'Virtual' PCR-100 Receiver

Say you saw us in the "LIMARC Log"

(347) 829-SCAN

www.W2LIE.net



Testing Schedule for 2025

LIMARC VE Test Sessions are held on the second Saturday of every odd numbered month at Levittown Hall, 201 Levittown Parkway, Hicksville, NY. Please remember to bring **two** pieces of identification (one with a photo), your ***original*** ham license **and** a copy of it, any ***original*** **Certificates of Successful Completion of Examination (CSCE's)** ***and*** copies of them.

*Also remember to bring the proper fee in check made out to ARRL VEC or exact change (NOTE: the 2025 **exam fee** remains at **\$15.00**). The LIMARC VE Team will supply the FCC Form 605. The FCC **\$35 license fee** applies to all renewals, new applications, and vanity callsign requests, but not license upgrades.*

Contact Al W2QZ at (516) 623-6449, or Jim W2KFV at (516) 315-8608 for information.
VE Sessions will be held at Levittown Hall. All Saturday VE Sessions start at 8 AM



NCVEC QUICK-FORM 505 APPLICATION AMATEUR OPERATOR/PRIMARY STATION LICENSE			
SECTION 1 - TO BE COMPLETED BY APPLICANT			PLEASE PRINT LEGIBLY!
PRINT LAST NAME	SUFFIX (Jr., II, etc.)	FIRST NAME	M.I. / AMATEUR RADIO CALL SIGN (if LICENSED)
MAILING ADDRESS (Number and Street or P.O. Box)			FCC REGISTRATION NUMBER (FROM MANDATORY)
CITY			DAYTIME OR PHONE NUMBER (including Area Code)
EMAIL ADDRESS (MANDATORY)			
Basic Qualification Question -- "Answer Required in Order to Process Your Application" Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court? <input type="checkbox"/> YES <input type="checkbox"/> NO If "YES", see "FCC BASIC QUALIFICATION QUESTION INSTRUCTIONS AND PROCEDURES" on the back of this form.			
I HEREBY APPLY FOR (Mark an X in the appropriate box(es))			
<input type="checkbox"/> EXAMINATION for a new license grant		<input type="checkbox"/> CHANGE my mailing address to above address	
<input type="checkbox"/> EXAMINATION for upgrade of my license class		<input type="checkbox"/> CHANGE my station call sign systematically	
<input type="checkbox"/> CHANGE my name on my license to my new name		Applicant's Initials To Confirm _____	
Former Name: _____		<input type="checkbox"/> RENEWAL of my license grant	
(Last name) (Suffix) (First name) (MI)		Exp. Date: _____	
I certify that: <ul style="list-style-type: none"> * I make any claim to the use of any particular frequency regardless of prior use by license or otherwise; * All statements and attachments are true, complete, and correct to the best of my knowledge and belief and are made in good faith; * I am not a representative of a foreign government; * I am not subject to a denial of Federal benefits pursuant to Section 533 for the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 882; * The conduct of my station will NOT be an action which is likely to have a significant environmental effect [See 47 CFR Sections 1.1501-1.1519 and Section 97.12(a)]; * I have read and WILL COMPLY with Section 97.13(c) of the Commission's Rules regarding RADIO FREQUENCY (RF) RADIATION SAFETY and the amateur service section of CGT/DET Bulletin Number 65. 			
Signature of Applicant: _____			
X		Date Signed: _____	
SECTION 2 - TO BE COMPLETED BY ALL ADMINISTERING VEs			
Applicant is qualified for operator license class:		DATE OF EXAMINATION DESIGN	
<input type="checkbox"/> NO NEW LICENSE OR UPGRADE WAS EARNED		EXAMINATION DESIGN LOCATION	
<input type="checkbox"/> TECHNICIAN Element 2		VE1 ORGANIZATION	
<input type="checkbox"/> GENERAL Elements 2 and 3		VE1 RECEIPT DATE	
<input type="checkbox"/> AMATEUR EXTRA Elements 2, 3, and 4			
I CERTIFY THAT I HAVE COMPLIED WITH THE ADMINISTERING VE REQUIREMENTS IN PART 97 OF THE COMMISSION'S RULES AND WITH THE INSTRUCTIONS PROVIDED BY THE COORDINATING VEC AND THE FCC.			
FEDERAL COMM. (FCC) Form No. 605 (Rev. 10/01)	VE 1 STATION CALL SIGN	VE 2 STATION CALL SIGN	DATE SIGNED
VE 1 VEC NAME (FCC Form No. 605, Sub E)	VE 1 STATION CALL SIGN	VE 2 STATION CALL SIGN	DATE SIGNED
VE 1 VEC NAME (FCC Form No. 605, Sub E)	VE 1 STATION CALL SIGN	VE 2 STATION CALL SIGN	DATE SIGNED

DO NOT SEND THIS FORM TO FCC -- THIS IS NOT AN FCC FORM
 IF THIS FORM IS SENT TO FCC, FCC WILL RETURN IT TO YOU WITHOUT ACTION.

NCVEC FORM 505 - July 2002
 FORM 505-001-000-001-001-001



LIMARC 2025 Schedule of Events

Month	Bd.Mtg	Gen.Mtg	VE Exam	Hamfest	Other Events
Jan.					
Feb.					
March					
April					
May					
June					
July					
Aug.					
Sept.	3	10	13		
Oct.	1	8			VanMtrPky 10
					JOTA 18-19
Nov.	5	12	8	9	
Dec.	3	10			GARC anv 21

HRU—Ham Radio University

SCR—School Club Roundup

Lindbergh—Anniversary of 1st non-stop transatlantic flight

Moon Ldg—Anniversary of Apollo 11 1st Lunar Landing

VanMtrPky—Anniversary of Opening of Vanderbilt Motor Parkway

JOTA—Jamboree on the Air for Scouting America

GARC— Grumman Amateur Radio Club (callsign: WA2LQO)

Dates subject to change without notice. LIMARC may revise them as required.

LIMARC Repeaters

Analog PL tone is 136.5

Location	Output Frequency	Shift	Callsign	Mode	Echo Link	IRLP	AllStar	System Fusion
Glen Oaks	146.85	- 600kHz	W2VL	Analog	W2VL-R, Node 487981		Node 576290	
Glen Oaks	224.82	-1.6MHz	W2KPQ	Analog				
Glen Oaks	1288	-12MHz	W2VL	Analog				
Hempstead Hofstra U. GARC	146.745	-600kHz	WA2LQO	Analog /Digital				WIRES-X Node:98304 Room:08304
Plainview	449.125	-5MHz	W2KPQ		W2KPQ-L Node 500940	Node 4969	Node 576291	
Plainview	449.375	-5MHz	W2KPQ	DMR CC1				
Selden	147.375	+600kHz	W2KPQ	Analog	W2KPQ-R Node 503075	Reflector Node 9126		
Selden	449.3625	-5MHz	W2KPQ	DMR CC1				
Middle Island	449.075	-5MHz	NY2H WA2LQO	Analog Digital				WIRES-X Room#: 04394
East Meadow	145.070		W2KPQ	Packet Digipeater				

Net	Day	Time	Frequency	Net Control
TechNet	Sunday	8PM	146.85	AC2GS
SpaceNet	Sunday	Follows TechNet	146.85	WS2N
Infonet	Monday	8:30PM	146.85	Rotating Schedule
Swap&Shop	Monday	Follows Infonet	146.85	KD2FIU
ARRL NewsLine	Monday	Follows Swap&Shop	146.85	(audio feed)
Computer Net	3rd & 4th Wednesday	8:30PM	146.85	WB2KWC
Nostalgia Net	5th Wednesday	8:30PM	146.85	K2KNB
220 Net	Fridays	8:30 PM	224.82	K2TGW
1288 Net	Fridays	9:00 PM	1288	Wi2M
AM Drive Time	Daily	7:45 AM	146.85	K2KNB



LIMARC Nets

Week Rotation	Net Control
1	N2RQ
2	K2KNB
3	K2KNB
4	KC2FYJ
5	KC2ZVT

GARC Repeater

145.33 WA2LQO
136.5 PL FM Analog
Hauppauge

LIMARC Officers 2025				Directors 2025		
President	Richie Cetron	K2KNB		Al Bender	W2QZ	
Vice-President	George Sullivan	WB2IKT		Peter Genova	KC2ZVT	
Secretary	Ken Gunther	WB2KWC		Martin Grillo	W1EMR	
Treasurer	Jerry Abrams	WB2ZEX		Harry Gross	KC2FYJ	
				Glenn Kearney	WB2QDS	
				Ken Kobetitsch	KD2GXL	

Email for officers and Board members can be addressed to their: call sign@LIMARC.org.
In addition, all can be reached at LIMARC@LIMARC.org



Opinions expressed by contributors do not necessarily reflect the policies of The Long Island Mobile Amateur Radio Club, Inc., its Officers, Directors or Committee Chairpersons. Byline authors grant express permission to LIMARC to print articles in this or any issue of The LOG. Byline authors also grant express permission for the use and/or reprinting of these articles, in part or in full, in other publications with credit to the original author and to The LIMARC LOG. All material is copyright © 2025. Do not copy or reproduce any of this material without the written permission of LIMARC.

George Sullivan, Editor of The LOG,

WB2IKT@LIMARC.org

LIMARC PO Box 392 Levittown, New York 11756-0392

Published Monthly

From The Editor

As usual, please send items for entry into the LOG to WB2IKT@LIMARC.org. I will be glad to accommodate appropriate requests. If you miss a deadline (the deadline is the 15th of the month) I would be glad to place your item in the LOG next month, space permitting. Thanks, and 73, George WB2IKT - Editor, The LOG