





January- 2021

The Monthly Newsletter of The Candlewood Amateur Radio Association P.O. Box 55 – Brookfield CT 06804 - 0055 Visit us on the Web at http://www.cararadioclub.org

Next CARA Meeting: Friday, January 8

This meeting will be conducted via Microsoft TEAMS Video Conferencing Sign onto TEAMS at 7:00 for socializing and conversation

Meeting begins at 7:30 p.m. Teams conference invitation emailed to CARA membership.



Meeting Presentation by:

Bill Acito - W1PA: "Introduction to Amateur Satellites"

President's Message – de W1NSK



Happy New Year! Hard to believe it's a new year - after all the travails of last year. This year is already looking up with a vaccine starting to make its way to people. Maybe with some luck, we'll be able to Have a real Field Day this year. Speaking of which, you have probably heard we won't be participating as a club in Winter Field Day.

Also, and most importantly (sic) a new Solar Cycle has just begun! Already openings on 15 have been seen with some regularity and even some on 10 meters, although more fleeting. Soon, they will be common occurrences. For those that are Technicians, make sure to have a rig with 10 Meter SSB Capabilities to enjoy worldwide QSO's! When this band is open, even a dipole will provide fabulous service!

Important for all to note we will be moving to the Microsoft Teams platform for our meetings this month. It's a good idea to load and use this PRIOR to the meeting on January 8th so you're comfortable with using it. A training session was held a couple of weeks ago and well attended. Hopefully, this will not be a difficult transition. See the emails being circulated showing how to access your new MS Office capabilities including Teams. Additionally, Charlie has circulated a copy of the Teams Training Session. Hopefully, all your questions will be answered. If you have any, let us know and we will try and help.

Our guest speaker this month is Bill Acito - W1PA, who will be giving a talk: "Introduction to Amateur Satellites". Bill an AMSTAT member, ARRL Life Member, has many interests including QRP, contesting, has written many articles on this subject. I for one am extremely interested as so many "birds" and many new ones soon to be available, making this part of our hobby even more exciting! Learn how to get started and enjoy the fun!

As the New Year begins, dues are now due! See our website for payment information including PayPal and the mailing address for checks.

I wish you and your families a healthy and prosperous New Year! Including many Points, Multipliers, New Countries worked or whatever you pursue.

Bud -W1NSK CARA President



John Morelli (W1JGM) via CARA <cara@cararadioclub.org>

To:Cara@Cararadioclub.org,Gregory Davis,Candlewood Amateur Radio Association Thu, Dec 17 at 9:16 PM

Here is the Team's training given my W8ZY Thank you, Mike, Greg. 73 John G. Morelli (W1JGM) VP Candlewood Amateur Radio Association (CARA) Chairman; Western Connecticut Hamfest cararadioclub.org 203-417-0160

From: Microsoft Stream <no-reply@microsoftstream.com>
Sent: Thursday, December 17, 2020 9:08 PM
To: John Morelli (W1JGM) <W1JGM@w1qi.org>
Subject: Your meeting recording is here! — "MS 365 training"

Your content is ready to stream!

MS 365 training

Go to your video now to publish, view, edit or share!

CJS via CARA cara@cararadioclub.org

To: CARA REFLECTOR

Tue, Dec 8 at 11:45 PM

Hello Fellow CARA Members:

It's that time of year... 2021 membership dues are upon us! Since our membership rates remain the same, we can begin our collection a bit early. Dues are payable in January. Those that choose to mail in your payments keep in mind our mailing address has changed since last year. New address: POB 55 Brookfield CT 06804

CARA dues rates are as follows:

Full Member - \$30.

Family Member - \$30 for first family member, \$15 for each additional nuclear family member <u>Senior club members (>= 65 years old) and full time students</u> who are members at Full or Associate levels receive a 50% reduction off dues rate

· Associate Member - \$10

There are three convenient methods to pay your dues;

 Via PayPal at <u>https://www.paypal.me/CARADUES</u> is probably the most convenient. Please when submitting payment, in the <u>"Add A Note"</u> area, add your call sign and any other information you may feel pertinent. Please do NOT use a payment tab or checkbox that indicates that the payment would have been for "goods and services" which would result in a fee charged to CARA and result in a rejection of your

payment. Thank you

- **By check** Payable to "Candlewood Amateur Radio Assn." by mail (Candlewood Amateur Radio Assoc., POB 55,Brookfield CT 06804).
- **By Cash**... Please prepare a slip of paper with the amount presented, your name & Call sign.

Attached also find our updated Membership Application for reference and perhaps we can enlist some new members! The fillable pdf application is also on our website at <u>click here</u> (<u>cararadioclub.org</u>), link also on home page. Should any changes to your name address or contact information you can use this to send to us as an UPDATE.

As a reminder our monthly meeting is scheduled for 8:00 p.m. Friday via Zoom Conferencing (see our web site at <u>Candlewood Amateur Radio Association (cararadioclub.org</u>). Great time to connect!

Respectfully,

Charlie Setaro KC1iBR, Treasurer ciset@att.net or treasurer@cararadioclub.org



January 8 - Meeting Agenda:

7:30 PM - Call to Order

Pledge of Allegiance

Presentation: Bill Acito - W1PA: Introduction to and use of Amateur Satellites.

Business Meeting:

Review and Acceptance of Minutes published in Capers Treasurers Report Committee Reports Repeater: Spruce Mtn., Battery back-up MS Office 365 for Non-profits implementation: Sign ups & "Meetings" Training. More Needed? Asset Committee: Insurance Development Committee: Letter / Raffle Program Committee: February?

Old Business:

Sander Pool Estate Equipment and antenna disassembly; Ladder and crew needed

New Business

CARA Calendar: Conflicts May 28th Memorial Day Weekend, December 24 Christmas Eve. Temporary substitute Secretary Fox Hunt Grant Monies?

Motion for end of Business Meeting

Announcements: Any?

Meeting adjournment

Vice- President's Message: de W1JGM



Welcome to 2021. May it bring health and happiness to everyone.

As the 2021 new year starts - it represents a new beginning, and hopefully relief from the pandemic.

Our CARA club also has a new beginning with the switch from Zoom to MS Teams. Teams operates very similar to Zoom, but it also provides many additional features.

We held a Teams training session which was recorded. To view the training, you'll need the Microsoft account provided by the club. If you haven't yet set this up or need assistance, please refer to an earlier e-mail sent on the reflector or call me for assistance. There's also a link on the meeting page in this issue of Capers.

Please remember that your CARA dues are due for 2021. You'll find a link to Pay-Pal Paypal.me/caradues on the first page of the CARA website. www.cararadioclub.org

***DO NOT choose a "payment"" tab for a purchase of goods or service. In the NOTE Section include your CALL SIGN! 2021 Rates are \$30/ year. Senior 65 and over \$15/yr.

Your dues support the club's activities and expenses to maintain our repeaters. A subscription to the CARA Capers is also included in your annual dues.

You may also send a check to CARA, C/O Treasurer, PO Box 55, Brookfield, CT 06804-0055.

If you haven't updated your membership information, please include your updated information using the form fillable membership application from the club site. www.cararadioclub.org

The team is working on programs and events for the coming year, and help is always welcomed.

One of CARA's strengths is sharing comradery and technical assistance among it membership.

If you have a friend that is interested in earning their amateur ticket, joining the club, donating equipment, or has an interest in amateur radio, contact a club officer and pass on the application.

Just a reminder that the club still has back-up batteries for sale. Refer to detailed information in the Capers. Don't let them slip away.

Check our website often, as we're updating it on an ongoing basis. www.cararadioclub.org

If you have any questions or concerns, contact me or a club officer.

Stay safe and get on the radio. The original social distancing!

73, John G. Morelli (W1JGM)

VP Candlewood Amateur Radio Association (CARA) Chairman; Western Connecticut Hamfest www.CARAradioclub.org

December 11 CARA Monthly Meeting Minutes de N1GSA



Pledge of Allegiance was recited

We enjoyed a presentation by ARRL New England Vice Director Phil Temples (K9HI). This presentation included a rough explanation of the ARRL Officers and their responsibilities along with the Volunteer or unpaid workers that play an Development Committee letter was brought up. active role in the daily activities of the league.

There were 21 people present. 3 of these are either newly licensed or studying for Technician.

Formal meeting called to order at 8:30 pm by Pres. Bud Kozloff.

presented in the CARA Capers.

Treasurer reported that the opening balance was \$ 4975.40. Ending balance was \$5051.20

Repeater committee reported that the VHF and UHF machines are working properly. Gregory

thanked those that helped with the minor interference during the last net.

We are still looking for a Chairman for the Website Committee. This should only really include being a liaison with the Webmaster for upcoming content etc.

MS Office was the next topic of discussion. Next Thurs evening at 7pm was tentatively set for a training session with Mike Walters. EVERY member needs to sign-in to www.Office.com and initiate their personal sign-on. This will be needed to attend our regular meetings in the VERY near future. There is a learning curve to use this although this is not insurmountable. There is a way to send an email with a link to those that are not regular members to attend a meeting. The next meeting will be in January, and it will be on the **TEAMS** format.

Asset Committee did not have anything new to report other than the actual Excel spreadsheet is almost complete. When this is done, it will be brought to the ARRL Insurance company to be approved. They do ask for make, model, and serial number. Some things will not have a serial number. Replacement value is the value that you list on the form.

Dave Coelho has a draft letter that could be sent out to all area hams. Donations can be made either by check or Paypal. ARRL has lists of all hams, that is broken into Zip Codes. As this mailing would be on First Class mail it would be necessary to limit this to area towns.

Minutes of the previous meeting were accepted as There are some interesting programs being setup for the future. The dates are still being worked out. Bob Heil and Val Hotzfeld are just some of the possible presenters.

Old Business

The gear from Sander Pool's estate (W1SOP SK) still has some wire antennas to be taken down

along with those on the roof. If anyone has time and inclination to help, please contact Bud.

We are looking for a place to store our gear along with a possible place to have small meetings and training sessions.

Charlie spoke about his motion about giving a rebate to those who gave a comment on the FCC NPRM concerning the \$50 application fee. If anyone did send a comment, please send a copy to Charlie to be entered.

Winter Field Day was brought up and it does not look good. The Ball Pond Firehouse is presently still on lockdown for even members of the Firehouse.

A Foxhunt was brought up. It could be possible to have a Foxhunt that could be done remotely and have an email confirmation of the find. Harlan will work on this.

Grant money was discussed. Dan will check into this.

Gregory spoke about the EFS- 2 grants and it appears that this is on hold until the next round of finances is available.

Roger thanked Dan for his extensive work on the Capers newsletter each and every month. Anyone who gets this should be sure to read to the end. There are ALWAYS new and interesting things there. Last months had and explanation about SD cards. I personally read and re-read this part for information. Dan reiterated his request for anyone submitting to the paper to PLEASE respect the input deadline.

Meeting closed at 9:25pm.

Respectfully submitted:

Gary S. Adams, N1GSA - CARA Secretary



CARA has been an ARRL Affiliated Club since 1946

Last Month's program: Phil Temples – K9HI de W1QK

At our Friday, December 11, 2020 CARA monthly meeting, we hosted Phil Temples – K9HI as our guest speaker. He is the newly appointed ARRL New England Division Vice-Director.

He presented an informative PowerPoint presentation explaining the structure of the ARRL and an update too.

Thank you, Phil and congratulations on your new appointment.

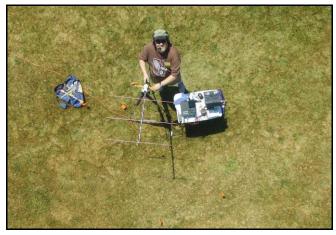


This Month's program: Getting started with Satellites

de W1NSK

Our guest speaker this month is Bill Acito, W1PA, who will be giving a talk: "Introduction to Amateur Satellites".

Bill an AMSTAT member, ARRL Life Member, has many interests including QRP, contesting, has written many articles on this subject.



I grew up in Central New York and passed my novice at age 15 in 1979. Attended RIT (Rochester, NY) and moved out to Massachusetts after college. Ex-KA2EPS, KC2OX, and KC1GS.

My interests include: portable satellite, CW, HF mobile, Skywarn, 6m mountain-topping, homebrewing and kit rigs, operating QRP and QRPp, low-key contesting, chasing DX, and repair and restoration, especially the Kenwood TS930 and 940's.

Editor - Source: QRZ.com

Winter Field Day Information de W1QK



About WFDA

During 2006, the suggestion for SPAR to sponsor a Winter Field Day was made and after discussions in the Forum, rules and a date were set. On January 13-14, 2007 the First Annual Winter Field Day was held and based on comments from participants; this will indeed go down in the record books as the start of an annual tradition.

It all started in June when Charles, N5PVL asked if SPAR would be interested in sponsoring a winter field day activity. There followed a discussion, proposed rules and modifications, all culminating in a vote in September approving SPAR's sponsorship. Next came a flurry of activities to get the word out on a very short notice and finally, the actual contest in January.

Walt (W5ALT) and Charlie (KY5U) contributed greatly to the success of SPAR and WFD. However, due to medical issues, activity within SPAR, their forum and support of WFD have declined. Walt did state in the forum that he was somewhat overloaded.

Many amateur operators were upset that 2015 scores were not posted and we could not get a response out of SPAR. They also thought that WFD would just fade away. That is when several of us banded together and formed Winter Field day Association.

The rules were the same until we felt a change in rules was needed. The date is still the last full weekend in January. A committee was setup to get things setup and running.

They are: Tom (W8WFD), Bill (VE3FI), Dave (W3DET), Erik (WX4ET) and Ken (N8KC). If there are any questions, comments, suggestions or complaints, please contact us at: wfda@winterfieldday.com

Complete rules and detailed information is at the Winter Field Day website: <u>https://www.winterfieldday.com/</u>

2020 Winter Field Day Results – Indoor Category - #17 in Category, #2 in New England

| Search | | | | | | |
|---------|---------------|---------|-----------------|--------------|--------------|-----|
| Ranking | | | CATEGORY | | SECTIONPH | |
| | CW CLAIMED | | MULT. | PWR | BONUS | |
| 1 | K8UO | 8I | MI | 760 | 781 | 38 |
| I | 13 | 2 | 3000 | 65988 | 52469 | 50 |
| 2 | VE2CRO | 31 | QC | 61 | 247 | 19 |
| - | 23 | 2 | 3000 | 30186 | 26974 | |
| 3 | W7PIG | 31 | WWA | 196 | 84 | 199 |
| | 16 | 2 | 4500 | 29044 | 26474 | |
| 4 | VA3WW | 31 | ONE | 405 | 196 | 103 |
| | 21 | 2 | 3000 | 47132 | 24119 | |
| 5 | N1FD | 11 | <mark>NH</mark> | 489 | 611 | 35 |
| | 15 | 1 | 0 | 0 | 23895 | |
| 6 | W5NOR | 31 | OK | 206 | 540 | 44 |
| _ | 9 | 2 | 1500 | 26160 | 23780 | |
| 7 | W5AWL | 41 | NTX | 170 | 429 | 93 |
| 0 | 10 | 2 1I | 1500 | 25940 | 23110 | 0 |
| 8 | K0AJW 15 | 2 | ND 1500 | 493 29508 | 141 22598 | 0 |
| 9 | K2ALB | 2 | ENY | 29308 | 140 | 52 |
| 3 | 18 | 2 | 3000 | 203 | 21419 | 52 |
| 10 | K7UVA | 4 | UT | 687 | 42 | 175 |
| 10 | 8 | 2 | 4500 | 22308 | 20565 | |
| 11 | K7SW | 21 | UT | 83 | 210 | 125 |
| | 12 | 2 | 3000 | 21024 | 19010 | |
| 12 | W4GR | 41 | GA | 270 | 251 | 141 |
| | 9 | 2 | 1500 | 20472 | 18946 | |
| 13 | K8MD | 31 | OH | 375 | 149 | 22 |
| | 9 | 2 | 3000 | 16032 | 14536 | |
| 14 | W9UUU | 51 | IL | 135 | 103 | 81 |
| 4.5 | 13 | 2 | 3000 | 16052 | 13926 | |
| 15 | W5KS | 6l | OK | 176 | 65 | 0 |
| 16 | 20 W9JZ | 2 4I | 3000 WI | 16552 87 | 13857 209 | 40 |
| 10 | 10 | 2 | 3000 | 87 14740 | 209 13754 | 40 |
| | 10 | 2 | 5000 | 14/40 | 13/34 | |

| W1QI | 21 | СТ | 451 | 205 | 0 |
|-------|--------------------------------------|--|--|---|--|
| 7 | 2 | 3000 | 15054 | 13507 | |
| W4TRC | 21 | TN | 321 | 121 | 0 |
| 6 | 4 | 0 | 13488 | 12792 | |
| W4CN | 21 | KY | 82 | 88 | 92 |
| 9 | 2 | 4500 | 12456 | 11974 | |
| K5OQ | 31 | STX | 109 | 218 | 24 |
| 10 | 2 | 1500 | 13380 | 11894 | |
| | 7 W4TRC 6 W4CN 9 K5OQ | 7 2 W4TRC 2I 6 4 W4CN 2I 9 2 K5OQ 3I | 7 2 3000 W4TRC 2I TN 6 4 0 W4CN 2I KY 9 2 4500 K5OQ 3I STX | 7 2 3000 15054 W4TRC 2I TN 321 6 4 0 13488 W4CN 2I KY 82 9 2 4500 12456 K5OQ 3I STX 109 | 7 2 3000 15054 13507 W4TRC 2I TN 321 121 6 4 0 13488 12792 W4CN 2I KY 82 88 9 2 4500 12456 11974 K5OQ 3I STX 109 218 |

Total of 169 stations in the Indoor Category

Source: <u>https://www.winterfieldday.com/wfd-2020-indoor</u>

CARA Winter Field Day January, 2020 Ball Pond Volunteer Fire Dept., New Fairfield Seems like such a long time ago...

















Photo credits: KC1IBR, W1QH and W1QK.



SB QST @ ARL \$ARLB041 ARLB041

FCC Reduces Proposed Amateur Radio Application Fee to \$35

ZCZC AG41 QST de W1AW ARRL Bulletin 41 ARLB041 From ARRL Headquarters Newington CT December 31, 2020

To all radio amateurs

SB QST ARL ARLB041 ARLB041 FCC Reduces Proposed Amateur Radio Application Fee to \$35.

The FCC has agreed with ARRL and other commenters that its proposed \$50 fee for certain amateur radio applications was "too high to account for the minimal staff involvement in these applications."

In a Report and Order (R&O), released on December 29, the FCC scaled back to \$35 the fee for a new license application, a special temporary authority (STA) request, a rule waiver request, a license renewal application, and a vanity call sign application. All fees are per application. There will be no fee for administrative updates, such as a change of mailing or email address.

The R&O can be found online in PDF format at, <u>https://docs.fcc.gov/public/attachments/FCC-20-184A1.pdf</u>.

This fall, ARRL filed comments in firm opposition to the FCC proposal to impose a \$50 fee on amateur radio license and application fees and urged its members to follow suit.

As the FCC noted in its R&O, although some commenters supported the proposed \$50 fee as reasonable and fair, "ARRL and many individual commenters argued that there was no cost-based justification for application fees in the Amateur Radio Service." The fee proposal was contained in a Notice of Proposed Rulemaking (NPRM) in MD Docket 20-270, which was adopted to implement portions of the "Repack Airwaves Yielding Better Access for Users of Modern Services Act" of 2018 - the so-called "Ray Baum's Act." Information on Ray Baum's Act can be found online in PDF format at, https://www.congress.gov/115/plaws/publ141/PLAW-

115publ141.pdf

"After reviewing the record, including the extensive comments filed by amateur radio licensees and based on our revised analysis of the cost of processing mostly automated processes discussed in our methodology section, we adopt a \$35 application fee, a lower application fee than the Commission proposed in the NPRM for personal licenses, in recognition of the fact that the application process is mostly automated," the FCC said in the R&O. "We adopt the proposal from the NPRM to assess no additional application fee for minor modifications or administrative updates, which also are highly automated."

The FCC said it received more than 197,000 personal license applications in 2019, which includes not only ham radio license applications but commercial radio operator licenses and General Mobile Radio Service (GMRS) licenses.

The FCC turned away the arguments of some commenters that the FCC should exempt amateur radio licensees. The FCC stated that it has no authority to create an exemption "where none presently exists."

The FCC also disagreed with those who argued that amateur radio licensees should be exempt from fees because of their public service contribution during emergencies and disasters.

"[W]e are very much aware of these laudable and important services amateur radio licensees provide to the American public," the FCC said, but noted that specific exemptions provided under Section 8 of the so-called "Ray Baum's Act" requiring the FCC to assess the fees do not apply to amateur radio personal licenses. "Emergency communications, for example, are voluntary and are not required by our rules," the FCC noted. "As we have noted previously, '[w]hile the value of the amateur service to the public as a voluntary noncommercial communications service, particularly with respect to providing emergency communications, is one of the underlying principles of the amateur service, the amateur service is not an emergency radio service."

The Act requires that the FCC switch from a Congressionally-mandated fee structure to a costbased system of assessment. The FCC proposed application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service, which had been excluded previously. The 2018 statute excludes the Amateur Service from annual regulatory fees, but not from application fees.

"While the Ray Baum's Act amended Section 9 and retained the regulatory fee exemption for amateur radio station licensees, Congress did not include a comparable exemption among the amendments it made to Section 8 of the Act," the FCC R&O explained.

The effective date of the fee schedule has not been established, but it will be announced at least 30 days in advance. The FCC has directed the Office of Managing Director, in consultation with relevant offices and bureaus, to draft a notice for publication in the Federal Register announcing when rule change(s) will become effective, "once the relevant databases, guides, and internal procedures have been updated."

NNNN /EX



Connecticut Phone Net – CPN

Meets daily: M-W-F 5:00 pm Tue-Thu 5:15 pm 3.973 MHz., Sunday: 10:00 a.m. 3.965 MHz. CARA Contributions:

Tom Coury, WX1T: CPN manager Wednesday Net control: Harlan, W1QH



Weekly CARA Sunday NETS: 28.490 MHz. USB 7:00 pm – 7:30 pm W1QI 2M FM Repeater – 7:30 pm Worked All Connecticut Counties Award, WACC – Sponsored by CARA:

http://www.cararadioclub.org/activities



Upcoming Contests, Hamfests & Meetings:

- Jan. 4: NARA Sister club meeting via Teams
- Jan. 9: CARA Monthly meeting via Teams
- Jan. 9: NAQP CW
- Jan. 11: ARES Region 5 South meeting
- Jan. 16-17: ARRL VHF contest, NAQP SSB
- Jan. 21: Contest University Propagation summit via Teams
- Jan. 22: CARA planning meeting via Teams
- Jan. 25: CT ARES Region 5 meeting via Teams
- Jan. 30-31: Winter Field Day
- Jan. 9, 13, 20, 27 CWOps CWT Minitest Regular Sessions - 1300Z, 1900Z, 0300Z Thursday

Feb 3: February, 2021 Capers input deadline

Complete Contest calendar at:

http://www.hornucopia.com/contestcal/contestcal. html

New England and other local hamfests: http://web.mit.edu/w1gsl/Public/ne-fleas

Upcoming CARA Calendar:

- Jan. 8: CARA January monthly meeting video conference via Teams
- Jan. 22: CARA January monthly planning meeting via Teams
- February 3: February, 2021 Capers input deadline



Sweepstakes Participation Pins-

2019 Notice: All 2019 Sweepstakes Participation Pins have been shipped. Contact the ARRL Contest Program at <u>contests@arrl.org</u> if you did not receive your pin, or would like to order one (a limited supply is still available).

Participation Pins

Anyone who completes 100 contacts on CW or Phone during Sweepstakes is eligible to purchase an attractive Participation Pin. Each pin includes the year and mode and has become a popular tradition in the November Sweepstakes event.

Pins are based on claimed scores.

Pins cost \$8, which includes all postage and handling charges to deliver your pin to you. Order your Pin(s) by January 31 following the contest.

Be sure to tell us whether you are requesting a CW, or Phone, or both pins where you qualify. **Pins will be shipped after all entries have been processed and logs verified (approximately April after the contest).**

To order your pins, attach a note to the front of your summary sheet indicating the number and type (CW or SSB) of pins ordered along with your check made payable to "ARRL Contest Pins/Mugs". If you enter electronically, send a copy of your summary sheet with a note and your check attached to Sweepstakes PINS, ARRL Contests, 225 Main St, Newington, CT 06111.

Q: Why does it take so long to send me my pin? A: We only order pins once we know how many orders we need to fill. This helps us keep our costs down and eliminates inventory problems - either too many or too few pins. As a non-profit organization, keeping our costs down is critical.

2021 State QSO Party News

From: Dave Edmonds WN4AFP Date: Fri, 01 Jan 2021 21:59:14 EST

Dear QSO Party Friends....

Are you ready for the 2021 SQP Challenge and more?

After 1.3 million QSOs, 900+ Challenge participants and record-setting QP log submission numbers in 2021, the State QSO Party Group is primed and ready for another amazing year.

I'm thrilled to announce that the State QSO Party Group is offering an even more exciting awards/activity program for 2021. It includes the State QSO Party Challenge, which is similar to the 2020 SQP Challenge competition AND the new Worked All QSO Parties (WAQP) awards program.

Visit http://stateqsoparty.com for all the details!

Let us know what you think about our line-up for 2021....Who's in?

73s Dave, WN4AFP CWO #1208 State QSO Party Director

2021 Ham Exam Schedule



Upcoming 2021 Amateur radio exams:

Hi everyone,

Hope you are all doing well.

I was just informed that the Stony Hill Firehouse in Bethel, CT will not be available to outside groups through the end of 2020. As a result, I have cancelled our testing session on 12/5/2020.

If and when the firehouse becomes available, I will come up with a testing schedule and e-mail it to you.

As an alternative, if there is interest I may if I can get access to the Woodbury Firehouse (through Glen, W1GHD).

Thanks and 73, Jon - AJ1U

Wallingford CT 06492-2327

EXAM SESSION

01/16/2021

Sponsor: Meriden Amateur Radio Club Date: Jan 16 2021 Time: 9:00 AM (Walk-ins allowed) Contact: Donald G. Mitchell (203) 239-2077 Email: dmitchell1273@sbcglobal.net **VEC:** ARRL/VEC Location: Hope Hill Firehouse 143 Hope Hill Rd Pre-Registration Preferred Wallingford CT 06492-2327



-To produce an Ultra Marathon' score, simply score vour log according to the WW points scheme periodically offer testing sessions in Woodbury, CT (countries, zones, QSO points, work each station once per band etc). -Spotting is permitted, as is remote

operation/operation from multiple stations (provided it is from the same CQ entity).

The organizers will explicitly spell out these items in the rules soon.

The sponsoring club had been asking for preregistrations. This, of course, isn't necessary to participate but they've created their own online scoreboard where you will be able to manually enter your score and see the scores of others... https://tbdxc.hamserver.de/marathon/. Registration will become active on December 31 and

then you can register to manually post your score there. While they were taking pre-registrations they got several hundred sign-ups including many prominent contesters.

I've volunteered to help them spread the word about this event. I think its an interesting idea as it ties so much of my operating into score that I can work to maximize throughout the year and in the process.....maybe I'll diversify my non-contest QSOs away from FT8.

Details here: https://www.tbdxc.net/marathon

73 Jeff N1SNB

The Yankee Clipper Contest Club is a special purpose amateur radio club devoted to the pursuit of operating and technical excellence.

More information about the YCCC at: http://www.yccc.org/

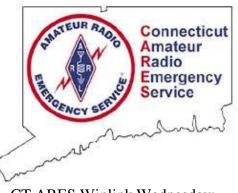
2021 Ultra Marathon

From: Jeff Demers Date: Tue, 29 Dec 2020 10:22:22 EST

The new 'Ultra Marathon' event is set to start in a few days and lasts for all of 2021.

Once you pick your mode (CW or SSB...no mixed mode), you can then make QSOs on 160, 80, 40, 20, 15 and 10 meters and/or bring in QSOs from other contests into one entry. There are categories for QRP/LOW/HIGH power for each mode

-There is no set contest exchange - any QSO can count



CT ARES Winlink Wednesday:

Wednesday, January 6



N1MM Logger is the world's most popular free ham radio contest logging program. For CW, phone and digital modes, its combination of contest-optimized features is unmatched. The program's features are continually changing.

| | View Tools | Config Win | dow Help | | |
|------------|------------|------------|-----------|------------|----------|
| | | 64 | Rev | Par | |
| 11AW | | 59 | 59 | 10 | 000 |
| F1 S8P CQ | F2 Exch | F3 Spare | F4 K8UT | F5 His Cal | F6 KBUT |
| 7 Rot Exch | F8 Agn? | F9 Zone | F10 Spare | F11 Spore | F121Vipe |
| | | Log t E | dt Mark | Store Spo | th GRZ |

https://n1mmwp.hamdocs.com/n1mmfeatures/

The Amateur's Code **The Radio Amateur is:**

CONSIDERATE... never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which

Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE... with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED...radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC...station and skill always ready for service to country and community.

--The original Amateur's Code was written by Paul M. Segal, W9EEA, in 1928.





Hey buddy, what band and mode ya on? And watcha' drivin', a '72 Oldsmobile?

Editor -

This ham obviously likes to have lots of capabilities for EMCOM or VHF/UHF contest roving.

Wonder if he has tuned stubs to keep all that RF under control?

Just couldn't resist including this pix.

Submit your "strays" to the CARA Capers.



From the CWops Reflector:

STATE QSO CHALLENGE CERTIFICATES

From: Dave Edmonds WN4AFP

Date: Thu, 17 Dec 2020 19:18:42 EST

Many of you have participated in QP contests... So I wanted to make sure that you received this information...

After almost a year and 46 contests later the 2020 running of the State QSO Party Challenge has ended.

If you participated, you can now generate your own suitable for framing color certificate by visiting the website at http://stateqsoparty.com or directly at www.b4h.net/sqpchallenge. Even if you did not participate in 2020, get ready to compete in 2021. Work any or all of the 45 State, Province or Regional QSO Parties and submit your scores via www.3830scores.com. For more information, you can visit the website http://stateqsoparty.com, view a Youtube Video www.youtube.com/watch?v=9yAf3XrAEic or read

through a slideshow at tiny.cc/stqspc.

Enjoy! Dave WN4AFP1208 Stateqsoparty.com

Re: CW app for iPhone?

From: Dick, WR6D

Date: Tue, 29 Dec 2020 19:13:36 EST

Take a look at MORSE ELMER. This app has a lot of flexibility. I use it on my iPhone.

73 & HNY, Dick WR6D

Re: CW app for iPhone?

From: Ed W2LCQ

Date: Tue, 29 Dec 2020 22:37:50 EST

Best iPhone app for learning or practicing CW is Ham Morse. It covers letters, numerals, words, 5 letter groups, punctuation and call signs. There are 23 news feeds from all over the world for copying text. It uses the Koch method for beginners. Check it out.

http://aa9pw.com/ham-morse/

73 de W2LCQ, Ed Jones

Re: CW app for iPhone?

From: Roberto Sadkowski

Date: Tue, 29 Dec 2020 23:10:34 EST

I got Morse Trainer on Android when I was in CWA. It does exactly what was asked. You can input a text file and it will read it to you on cw at any speed covered by the app. I believe it costs a dollar but worth it. Still use it sometimes in the car.

Roberto, K6KM

"The scientists of today think deeply instead of clearly. One must be sane to think clearly, but one can think deeply and be quite insane." ...Nicola Tesla



Member and Station News:

Your news or story could be included here in the next issue of CARA Capers. Contact W1QK, Capers editor.

Just snap a pix of your station, antennas, mobile installation, etc. and send it in!

Vincent Tompkins via

CARA <cara@cararadioclub.org> **To:**'cara@cararadioclub.org' Sun, Dec 20 at 3:42 PM

And moving to YouTube "Ham Radio Crash Course" channel.

Vincent Tompkins via

CARA <cara@cararadioclub.org> To:cara@cararadioclub.org Sun, Dec 20 at 3:48 PM

Go here for more details. Such as Bob K9EID From ARRL Headquarters and George W5JDX will not be with the show. From ARRL Headquarters To all radio amateurs

https://www.youtube.com/watch?v=nyAII39R mo4

On 12/20/2020 3:42 PM, Vincent Tompkins via CARA wrote: And moving to YouTube �Ham Radio Crash Course� channel.

John Morelli (W1JGM) via

CARA <cara@cararadioclub.org> To:cara@cararadioclub.org Sun, Dec 20 at 1:38 PM See the e-mail below from K3LR. Tim Duffy

From: Contest University <ctu@w3lif.org> Date: December 16, 2020 at 8:55:40 AM EST To: w1jgm@arrl.net Subject: CTU presents The 2021 Propagation Summit

Hello Contest University participant:

You registered for Contest University 2020 which was held in May 2020. Contest University is hosting a Propagation Summit 2021 on January 23, 2021 starting at 11 AM EST.

You can view the Propagation Summit outline <u>http://contestuniversity.com</u>

You can register for the Propagation Summit here:

Zoom Webinar Signup link

There will be a drawing for an Icom IC-705 donated by Icom America. Winner **must** be present on Zoom to win.

Hope you can join us on January 23, 2021

73

Tim - K3LR, Chairman Contest University

QST de W1AW ARRL Bulletin 39 ARLB039 From ARRL Headquarters Newington CT December 22, 2020 To all radio amateurs

SB QST ARL ARLB039 ARLB039 FCC Posts Email Address Reminder On ULS Landing Page

The FCC is encouraging users of the Universal Licensing Service (ULS) to have an email address on file with the FCC.

The ULS Landing Page can be found at, <u>https://www.fcc.gov/wireless/systems-utilities/universal-licensing-system</u>

"Applicants are strongly encouraged to provide an email address on their license application(s), which will trigger the electronic issuance of an official copy of their license(s) to the email provided upon application grant. Per the timing specified in Rulemaking FCC 20-126, the FCC will no longer print, and licensees will no longer be able to request, hard copy license authorizations sent by mail."

The Rulemaking can be found online in PDF format at, https://docs.fcc.gov/public/attachments/FCC-20-126A1.pdf.

The FCC has not yet established the date by which an **About ARRL**: email address will be required on all applications. ARRL VEC already (American Radio Relay League) is the national has begun including email addresses on FCC applications for as many applicants as possible. NNNN /EX



Founded in 1914 by Hiram Percy Maxim, ARRL association for Amateur Radio in the US. Today, with more than 161,000 members, ARRL is the largest organization of radio amateurs in the world. ARRL's mission is based on five pillars: Public Service, Advocacy, Education, Technology, and Membership.



So Now What? Podcast http://www.arrl.org/so-now-what

Capers: Swap and Shop

CARA Swap & Shop Policies:

CARA assumes no responsibility for transactions made or inaccuracies in ads. You are responsible for checking your ad and notifying us of any corrections. Swap and Shop listings are open to licensed CARA hams, based on space available. Please submit your list to w1qk@snet.nent for placement in the CARA Capers.

Vincent Tompkins via

CARA <cara@cararadioclub.org> To:'cara@cararadioclub.org' Wed, Dec 23 at 5:38 PM

Chris got his license today and it isn't on QRZ yet. Licensee Name:

Malvagna, Christopher 201 LARSON DR Danbury, CT 06810

Vincent Tompkins via

CARA <cara@cararadioclub.org> To:'cara@cararadioclub.org'

Fri, Jan 1 at 5:40 AM Have any of you heard of the "The RAY BAUM'S Act" before?

<u>Multi-line Telephone Systems – Kari's Law and</u> RAY BAUM'S Act 911 Direct Dialing, Notification, and Dispatchable Location Requirements

What Is Ray Baum's Act? Two New Federal Laws Impact Phone Systems: A Contact Center 2-Part **Report | Mindsight**

| Quantity | Item | Price each |
|---------------|--------------------|--------------|
| 1 IC-706 Mk I | IG | \$600 |
| 1 Ameritron S | DA-100 Screwdri | ver Antenna |
| | | \$400 |
| 1 West Mount | ain Radio TARGI | ETuner \$120 |
| 1 440 Cushcra | ft Ringo Ranger | \$50 |
| 1 Camp Chair | | \$25 |
| 1 ICOM IC-75 | 56 Pro III Transce | iver \$800 |

1 Go-Kit with following Equipment \$1,200 ICOM IC-7000 Transceiver, LDG IT-100, Yaesu FT-8900, Kantronics KPC-3+, West Mountain Powergate, West Mountain Rigrunnner

Contact: Roger – NG1R; 203- 241-0478 or roger.mitchell@snet.net



Visit us on the Web at http://www.cararadioclub.org

Executive Board:

President – Bud Kozloff, W1NSK w1nsk@hotmail.com Vice President – John Morelli, W1JGM w1jgm@aol.com Secretary – Gary Adams, N1GSA Mrclipper69@yahoo.com Treasurer – Charles Setaro, KC1IBR cjset@att.net

Directors:

Harlan Ford, W1QH - hford01@snet.net Roger Mitchell, NG1R – roger.mitchell@snet.net David Coelho, WA1JGA – davidcoelho@gmail.com

CARA is an IRS 501(C)3 Organization. Consider supporting CARA in your estate planning.

CAPERS is the monthly newsletter of the Candlewood Amateur Radio Association Editor: Dan Fegley, W1QK w1qk@snet.net



A brief word from our editor ...

CARA CAPERS is the monthly publication of the Candlewood Amateur Radio Association, Inc. (CARA) and is intended to present news, issues, and opinions of interest to CARA members and the Amateur Radio Community.

We encourage contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world. Permission is granted to reprint material contained herein as long as proper credit is given to this newsletter and the author.

Ideas for, and contributions to the CAPERS should be submitted to: w1qk@snet.net.

Submissions must be received no later than the date indicated in the preceding month of issue, *unless otherwise specified.*

Submissions should be in MS Word format or ASCII text. Photos should be in .jpg format.

Material received after the deadline will be used in the next month's CAPERS if it's still current and /or newsworthy.

The CAPERS is published by CARA Capers Editor. All material contained herein is considered the opinion of the author and not necessarily that of CARA.

Announcements of events are for informational purposes and do not necessarily constitute an endorsement by CARA. No responsibility for accuracy is assumed by the CARA Capers editor or newsletter staff.

Courtesy of: The Mahoning Valley Amateur Radio Association's Award-Winning monthly newsletter: "Voice Coil" <u>http://www.mvara.org/Newsl/Current.pdf</u>

CARA Standing Committees:

Updated: January 3, 2021

Just a reminder to all members that these are the standing committees that help make CARA run and fun.

Our members and their ideas are our strength.

Please step forward to serve your club with one of these committees. You'll notice that several CARA members serve on multiple committees.

Talk to any member of the Executive Committee or Director to volunteer! We're hoping to see your name on at least one of these important committees.

CARA Repeater and Digital Equipment:

Repeater coordination Repeater maintenance Other digital equipment

Chairman: Gregory Davis - WR1Z

Committee Members: John Morelli – W1JGM Marcus Swearingen – AB1WV Vincent Tompkins – N2OHH Charles Setaro – KC1IBR Dan Fegley – W1QK

CARA Operating Activities:

Winter Field Day, New England QSO Party, ARRL Field Day, New Fairfield Day Special Event Station, Peter Weinberger New Fairfield Car Show Scholarship Fundraiser Special Event Station, 2M Fox Hunt (hidden transmitter).

Chairman: Committee Members:

Annual CARA Hamfest Fund-Raising event:

Chairman: John Morelli – W1JGM Committee Members: Marcus Swearingen – AB1WV Bill Webb – W1AFX Charles Setaro – KC1IBR

Membership:

Annual dues notification and follow up Annual new member drive

Chairman: John Morelli – W1JGM

Education and Elmering:

Organize or sponsor class for entry-level license Organize Elmer support network for new hams Organize two 3-person ARES deployment teams

Committee Chairman: Committee Members:

Youth Committee:

Committee Chairman: Keith Iwanicki -W1KRI Committee Members:

Program and Activities:

Organize and arrange monthly program Organize activities Annual Holiday Gathering Summer Pasta Party

Committee Members: Bud Kozloff – W1NSK Marcus Swearingen – AB1WV

Weekly CARA Sunday 7:30 PM Net:

Committee Chairman: David Teagarden – KB1ZAC Committee Members: Tom Coury – WX1T Charles Setaro – KC1IBR

CARA Capers:

Monthly newsletter staff CARA Capers Editor: Dan Fegley – W1QK

Development Committee:

Seek and obtain alternative sources of funding for club events and activities

Committee Chairman: Committee Members:

Website Committee: Maintain the CARA Website

Committee Chairman: Committee Members:

Charles Setaro – KC1IBR John Ahle – W1JMA Roger Mitchell – NG1R Dan Fegley – W1QK

Please advise your Capers Editor of any changes to this list.

THE POWER OF TEAMWORK: Video Motivasi – Kerjasama Team (Team Work) https://youtu.be/oqRX02uhicc



Preliminary CARA 2021 Calendar

Updated Dec. 8 by Bud Kozloff – W1NSK

January 8 - Bill Acito - W1PA, Intro to Working Satellites. Meeting via MS Teams 22- Monthly planning meeting via MS Teams 30-31 Winter Field Day

- June 26-27 ARRL Field Day
- August 27 CARA Western CT Hamfest
- December 10 CARA Holiday Party

Speakers for 2021: January - only one confirmed at this point.



For Sale: Backup Batteries

Attention Club Members, available immediately for Pickup in New Fairfield.

Enersys 12HX300-FR "DataSafe" HX batteries.

Be ready, winter is coming, and with it comes the loss of power.

Now is the time to support the club. I have some batteries that I have donated to the CARA club for fund raising and backup power for our repeater system on the top of spruce mountain. We are making these available to you.

As we were not able to hold our annual Hamfest. and as everyone knows, the Hamfest is our main source of income and support of our organization.

These are Enersys 12HX300-FR top terminal, Valve Regulated Lead Acid (VRLA), AGM batteries, these batteries are completely sealed.

Please see the attached specification sheet for more information.

Remember there are other uses for back up batteries than our radio equipment, such as: Pellet stoves with 12Vdc back-up power, Inverters for DC to AC, 12Vdc lighting and many more applications. need 24Vdc: series 2 batteries, need more time and power: parallel two or more.

These are fully tested, used batteries that were removed from a critical data center after <mark>two</mark> years on an advertised 10-year operating life.

The Batteries are available for a **Donation of \$100 each** to the Candlewood Amateur Radio Association (CARA). payment can be made using the clubs <u>PayPal</u> account, (Preferred), check or cash. Payment is expected at time of pickup.

Please feel free to pass this notice on to other clubs or individuals.

Support the club now! - Delivery can be negotiated. - Each battery weights 60 LB.

73, John G. Morelli (W1JGM) VP Candlewood Amateur Radio Association (CARA) Chairman; Western Connecticut Hamfest www.cararadioclub.org 203-417-0160



| \bigwedge | |
|--|--|
| data safe | Float voltage / Tension de floating 13.6 ± 0.1V at 77°F (25°C) |
| | Connection torque / Couple de serrage 6.8 Nm 60 in lbs |
| 12HX300-FR 12V, 284W/Cell 15 min. FLAME RETARDANT | Non-spillable lead-acid battery Made in Mexico |
| WARNING: Risk of fire, explosion or burns. Do not disessemble, heat above 65 ¹ | C or incinerate. Ventilate spaces where used or charged. |
| WARNING: Risk of tire, explosion of purits. Do not unassemine, near above of WARNING: Battery posts, terminals and related accessories contain lead and lead compou reproductive harm. Batteries also contain other chemicals known WASH HANDS AFTER HAND | nds, chemicals known to the State of California to cause cancer to the state of California to cause cancer. |
| www.enersys.com | 6 35241 13941 9 |

Link to battery data sheet: <u>www.enersys.com</u>

Vincent Tompkins <n2ohh@aol.com> To: W1QK - Fegley, Daniel Sun, Dec 27, 2020 at 6:55 PM

Amateur radio enthusiasts honor Port Jeff hospital's COVID19 efforts with \$1,000 donation | TBR News Me



Amateur radio enthusiasts honor Port Jeff hospital's COVID19 efforts with \$1,000 donation

December 26, 2020

In a show of appreciation for its service to the community during the COVID19 pandemic, the Radio Central Amateur Radio Club (RCARC) recently presented a \$1,000 donation to St. Charles Hospital in Port Jefferson.

"We are grateful for the tireless hours put in by not only St. Charles doctors and nurses, but also by all of the medical support staff, facility personnel, security officers and the multitude of people needed to keep the hospital running smoothly," said Radio Central's president, Neil Heft. He explained that the group "wanted to do something more than just putting up a thank you sign, so we took up a collection from our forty members who live in the community."

In a brief ceremony on October 16th, Heft accompanied by RCARC vice-president Richie Fisher and board member Frank Mazovec presented the donation to Lisa Mulvey, Executive Director of the St. Charles Hospital Foundation, and Marilyn Fabbricante, St. Charles Hospital's Director of Public and Community Relations. # # #

The Radio Central Amateur Radio Club (RCARC) was formed in 1977 by a group of Amateur Radio operators to commemorate the enormous contributions to communications made by RCA's Radio Central transmitting facility established in Rocky Point, NY.

In 1921 as the world's largest, most powerful transmitting facility, sending messages to land stations and ships at sea around the globe.

More information on RCARC can be found at: <u>www.rcarc.org.</u> Information about Amateur Radio can be found at: www.arrl.org

The RCA Radio Central Story – and Dr. Harold H. Beverage

Edited by W1QK



The Radio Corporation of America was formed soon after the end of World War I when it was incorporated in 1919. At that time the American Marconi Wireless Telegraph Company of North America, was returned by the U. S. Government to private control.

The American government realized the importance of an American wireless communications system, as ocean-laden cables were vulnerable during wartime. Long Island was an ideal and strategic location for wireless.

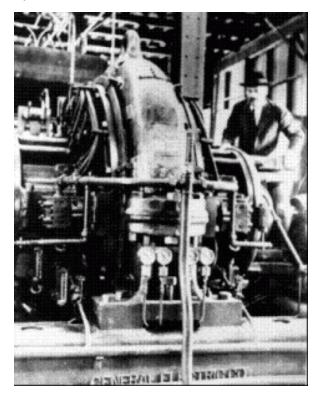
The time was right for the formation of the Radio Corporation of America which was brought about by the joint technical capabilities of several organizations: General Electric Company, American Telegraph and Telephone Company, Western Electric Company, United Fruit Company, Westinghouse Electric and Manufacturing Company and the Radio Corporation of America.

The property of RCA Radio Central at Rocky Point covered approximately 6,400 acres, an area extending ten miles square.



The construction of Radio Central began in July of 1920. At first tents were used for the facility, which grew in time to the RCA Radio Central complex. Radio Central at Rocky Point, was the transmitting station in the RCA system with its sister receiving station at Riverhead (now the David A. Sarnoff Pine Barrens Preserve) and the main control office in Manhattan.

In July of 1920, RCA began construction of their main Operating and Administration Building #1. It was built in Mediterranean architecture of cream-colored walls, with brick trim, accented with arched windows and an overhanging roof of ceramic red tiles. A large wooden door, trimmed with studded nail heads and a carved brass handle, opened into an entrance hall.



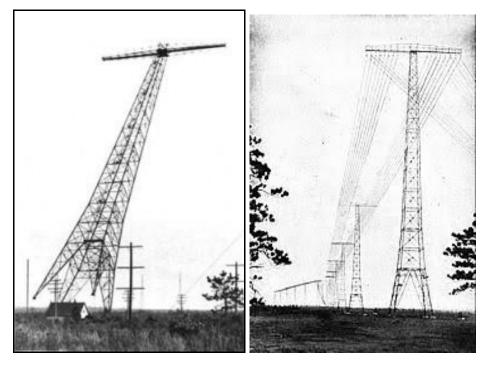
On November 5, 1921 President Warren C. Harding pressed a button in the White House in Washington, D.C. which officially opened the RCA Radio Central facilities at Rocky Point. Radio Central was considered the largest transmitting station in the world.

Originally, long waves were used, resulting in the construction of six 410 high steel towers. The towers were 410' high with added cross-arm of 40' high, extending the total height to 450'. The tall height of the structures was necessary for the long distance, worldwide type of radio communications. The twelve towers, which were 1260 feet apart, covered a two and a half mile area.

Some idea of the size of the plant at Rocky Point, may be gathered from the following figures: The station site occupies 6,400 acres over a 10-mile-square area. Construction began in July 1920, and the first test signals were sent in October, 1921. Some 1,800 tons of steel were used in the construction of the first 12 towers. Each tower was 410 feet high; the cross arms were 150 feet long; 8,000 tons of concrete were poured for the foundations of the 12 towers, the base of each tower being sunk nine feet below the surface of the ground with a total base area of 300 square feet.

Each antenna consisted of 16 silicon bronze cables stretched horizontally from tower to tower. Fifty miles of this cable were used for the first two antenna systems. The ground systems consisted of 450 miles of copper wire buried in the ground. The first power house covered a space 60 feet by 130 and housed two 200-kilowatt high frequency transmitting alternators and equipment.

Tower #1 remained standing tall, with its flashing red beacon guiding planes and ships, served as an aviation beacon light for another sixteen years. AT 2:30 PM on December 13, 1977, the 56-year-old tower was the last to come down.



The Research and Development Division was located in building #9, north of Whiskey Road. Dr. Harold H. Beverage headed The Research Division. He started his career at General Electric as a laboratory assistant to the world-renowned radio inventor, Dr. E.

F. W. Alexanderson. Both Dr. Beverage and Phillip S. Carter laid out the experimental ground wire antennas on the road from Riverhead to East Moriches. Phillip S. Carter was responsible for many inventions including the V antenna and the Folded Dipole. Dr. E. F. W. Alexanderson was responsible for many of the pioneer radio inventions, including the Alexanderson Alternator and was in the employ of RCA Radio Central as Chief Consulting Engineer. Dr. Clarence Weston Hansell was founder and head of the Rocky Point Research Section of the Laboratory.

Building #10 was known as the Research and Development Laboratory. Under his leadership and prolific inventions, the laboratory developed radio transmitting, relaying technology and experimental television, which firmed the standards for the industry. Dr. Hansell was responsible in developing 350 patents and 400 inventions. Rocky Point resident, Royal Gallup, worked at the Research Division and helped install the television tower at the Empire State building.

Due to the advent of Satellite communications, the transmitting station at Rocky Point and receiving station at Riverhead became obsolete. The Rocky Point facility was closed in 1978. Robert Lundquist served as Chief of Atlantic operations and was present when the last tower was demolished. On behalf of RCA, he received the silver dollar from Governor Carey for the transfer of the land to New York State, which is controlled by the New York State Department of Conservation and is the largest portion of pine barrens on Long Island. Mr. Lundquist donated that silver dollar to the Rocky Point Historical Society for their archives.

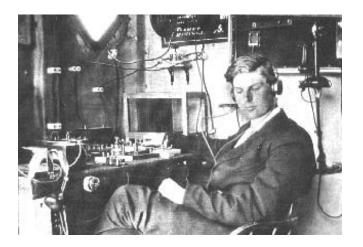
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Phillip S. Carter was responsible for many inventions including the V antenna and the Folded Dipole. Dr. E. F. W. Alexanderson was responsible for many of the pioneer radio inventions, including the Alexanderson Alternator and was in the employ of RCA Radio Central as Chief Consulting Engineer. Dr. Clarence Weston Hansell was founder and head of the Rocky Point Research Section of the Laboratory.

Editor: Information about Harold Beverage and the Beverage receive antenna he invented.

I have built and used a 580 foot long 160M Beverage antenna, and also used a 300 foot Beverage on both 80M and 40M with considerable success.

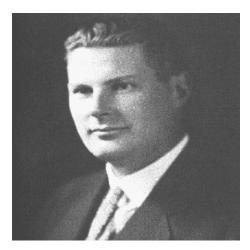
Some uninformed hams mistake the Beverage antenna with one constructed by connecting (welding) steel beer cans together – a myth.



This is Harold H. Beverage at his Amateur Radio Station. Possibly at the University of Maine around 1915.



The first RCA Laboratory, winter 1919-20 – Yes, located in a tent!



Chief Research Engineer of RCA in 1930 at Wildwood Lake , Long Island, New York.

Harold Henry "Bev" Beverage (October 14, 1893 – January 27, 1993) was an inventor and researcher in electrical engineering. He is known for his invention and development of the wave antenna, which came to be known as the Beverage antenna.

Sources:

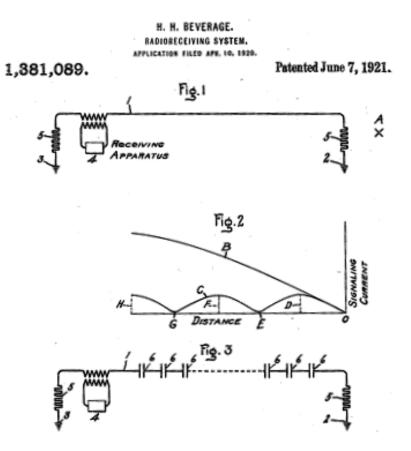
http://longwood.k12.ny.us/community/longwood_journey/hamlets/middle_island/footnotes_to_l ong_island_history/book_5/r_c_a_towers_built_in__20

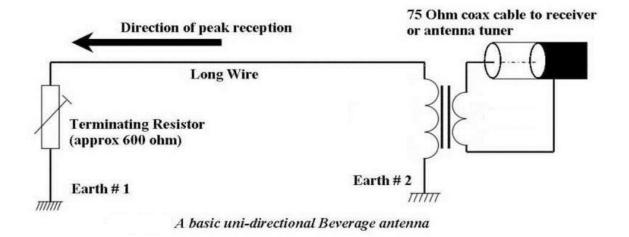
Additional information:

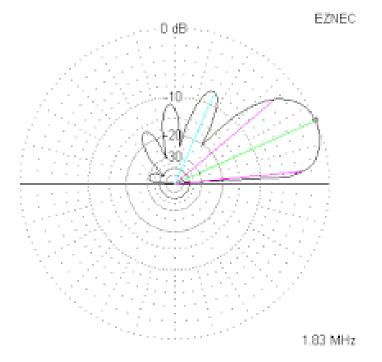
https://ethw.org/Oral-History:Harold_H._Beverage

http://www.ae5d.com/bev/

http://www.hard-core-dx.com/nordicdx/antenna/wire/beverage/interview1.html







Patents held by Dr. Harold Henry Beverage

Patent No.

Date Issued

Subject

1697945 Jan. 8, 1929 Phasing of antennas with artificial lines

1989965 Aug. 5, 1931 Means for testing recorded sound -- automatic check film

1819589 Aug. 18,1931 H.H.B. % H.O. Peterson --Means for eliminating fading on high frequencies (filed1/2/26)

1849608 Mar. 15,1932 Frequency modulate or mark/space for AGC (automatic gain control)

1874865 Aug. 30, 1932 Acoustic combining system - mix reflections

1874866 Aug. 30, 1932 Method for eliminating fading -- basic rectifier telegraph

1888065 Nov. 15, 1932 Differential volume control for diversity artificial line

1917290 Jul. 11, 1933 H.H.B. & H.O. Peterson -- Rotating switch, diversity

1917291 Jul. 11, 1933 H.H.B. & H.O. Peterson -- Artifical line pickup delay, diversity

1987889 Jan. 15, 1935 H.H.B. & H.O. Peterson --Means for eliminating fading switch or different beats

2014581 Sept. 17, 1935 Remote control system for relay stations

RE19784 Dec. 10, 1935 Aerial system -- balanced bridge to reduce engine ignition noise of aircraft

2025190 Dec. 24, 1935 Multiplex signaling -- commutator and frequency change for multiplex

2028860 Jan. 28, 1936 Receiving system-rectifier high frequency for C.W. Hansell electrolytic recorder

2034738 Mar. 24, 1936 Radio telegraph repeater -- electronic, no relays

2067432 Jan. 12, 1937 Radio communication -- frequency diversity

2069831 Feb. 9, 1937 H.H.B. & H.O. Peterson -- Fading eliminator -- different beat notes

2070418 Feb. 6, 1937 Multiplex cable code with diversity receivers

2076361 Apr. 6, 1937 Crystal oscillator monitor for centralized control

2081730 May 25, 1937 Television system -- AGC based on density of film

2084760 June 22, 1937 System for radio spectography, horizontal sync on oscillograph

2095050 Oct, 5, 1937 Signaling-space between carrier and sidebands, phone

2112877 Aug. 5, 1938 Centralized control relay stations

2138134 Nov. 29, 1938 H.H.B. & G.S.W. Short signaling -- antennas cancel reflections

2144215 Jan, 17, 1939 Electrical energy measuring system frequency modulation

2146301 Feb 7, 1939 Warren Knotts & H.H.B. -- Frequency assignments for relay stations

2173156 Sept. 191 1939 Amplitude modulation reception -- change to phase modulation

2247743 Jul. 1, 1941 Antenna -- phased loop, basis RCA TV receiving antenna

2255374 Sept 9, 1941 System for noise reduction - noise random, signal in phase

2271909 Feb. 3, 1942 Ultra short wave noise elimination -- balance local noise vertical suppressor

2405991 Aug. 20, 1946 Secrecy system -- shift signals between multiplex channels

2414791 Mar. 4, 1947 Radio receiving system -- local oscillator varied by signal-noise bursts

2487513 Nov. 8, 1949 Radio relay system - frequency selection for relay stations