Newport County Radio Club

November 10, 2025

Club Meeting

NCRC 2026 Elections

Officers:	**President** Jim Sendrak	**Vice President** Joe Demarco	**Treasurer** John Jackman	**Secretary** Mike Seil	
Executive Committee:	**President** Jim Sendrak	**Vice President** Joe Demarco	**Treasurer** John Jackman	**Secretary** Mike Seil	**Past President** Paul Fredette
	Member Bob Beatty	**Member** Willy Maclean	**Member** Keith Henry	**Member** Evan Bowen	**Member** Bob Matose

ARTICLE EIGHT – NOMINATIONS AND ELECTIONS

Section 4) All positions that are not contested shall be elected by the Secretary (or designate) casting a single vote.

Approval of October 13, 2025, Meeting Minutes

6- Pages!

- 6 New Members
- PLOA
- POTA
- JOTA
- 2026 Elections
- Coordinator Program
- Build Night(s)
- D-Star Repeater
- Community Outreach

Newport County Radio Club (NCRC) Meeting Minutes, 13 OCT 2025

Attendees; Jim Sendrak, Willy MacLean, Brian Cottle, Mike Rousseau, Evan Bowen, Joe DeMarco, Keith Henry, Ellen Vadney, Bruce Braga, Bob Matose, Ed Gosling, Dave Quinn, Kim Hanna, Paul Recupero, Mike Cullen, Crystal Thibault, Corry Thibault, Bill Corbin, Tom Kaiser, John Brewer, Bill Boyes, Chris Lirakis, Zachary Murtishi, Nolan Byrne (Z), Rich Travers (Z), Ted Wrobel (Z), Steve Figella (Z), John Conte (Z), Ted Wrobel (Z), Paul Fredette (Z), Chuck Kesson (Z), Mike Seil

-NCRC August Meeting Minutes; A motion to approve the August meeting minutes was approved [There was no formal September meeting in deference to the Pete Lawson Outdoor Adventure (PLOA)].

-New Members; Jim Sendrak welcomed several new members to the Club, including Zachary Murtishi, Salim Hameed, Fazal Hameed, Mahmunah Hameed, Patricia Emsellem and Mark Stenning. A motion to approve these memberships was seconded and agreed upon.

-Treasurers' Report; John Jackman, NCRC Treasurer, was not present at the 13OCT2025 meeting. We will take his report at our November meeting.

-Club Events;

-PLOA; This year's Outdoor Adventure was held at Colt State Park per usual at the park pavilion and was well attended and enjoyed by all despite inclement weather.

-Christmas Party; Keith Henry, Crystal Thibault and Linda MacLean are planning our December Christmas Party to be held at the Hometown Tavern in Warren, R.I. on December 8th. More information to follow regarding this event. Check the W1SYE.org website for the most up-to-date details.

-Jamboree-on-the-Air (JOTA); JOTA is an annual world-wide scouting event to encourage scouts to become "radio-active." It is always held on the third weekend in October. This year Troop 1 from Jamestown has expressed an interest in participating. Members of the Club are planning to set up a station at Fort Wetherill in Jamestown beginning at 1100 hours on Saturday 18OCT. We will set up at the Fort Getty pavilion in the event of rain. We will operate from approximately 1200 – 1500 hours. More information about JOTA at;

https://www.scouting.org/international/jota-joti/jota/

Hams from the Club are encouraged to assist with station set up and mentoring of the Scouts.

-2026 Elections Slate; Club bylaws dictate that a slate of next-year's Officers and Executive Committee (EC) be presented to the membership at the October meeting to be voted on at the November meeting. Nominations from the floor may also be entertained at this time. Please see the Club bylaws *Article Eight – Nominations and Elections*. The nominations put forth at the October meeting are as follows;

President >>> Jim Sendrak

Vice President >>> Joe DeMarco

Treasurer >>> John Jackman

Secretary >>> Mike Seil

Executive Committee >>> Bob Beatty, Willy MacLean, Keith Henry, Bob Matose, Evan Bowen

No nominations from the floor were received and the slate of officers and EC members will be voted upon at the November meeting.

-Coordinator Programs; Jim Sendrak introduced the idea of Coordinator Programs to the membership to include a variety of categories, many of which still require a leadership coordinator. Joe DeMarco has agreed head up a POTA Program, Bill Boyes will assist with Mentoring, Chris Lirakis is the Projects/Builds Program Coordinator, Ellen Vadney will be the Education Program Coordinator and Willy MacLean is the Club Merchandise Program Coordinator.

Meeting Presentations, Fund Raising, JOTA and Field Day [Antennas/Tents/Radios] are all Programs requiring a coordinator.

- Member Moments;

POTA >>> Joe DeMarco has conducted a number of Club POTA events most recently at Goddard Park where the Hameed family participated. Salim, N8LI, is father to a son Fazal, KC1YGL, and a daughter Mahmunah, KC1YIH. [Mahmunah is just 11 years old and passed her Tech exam at our September VE session.] The kids and Salim did a FB job getting on the air with the help of Joe and Willy MacLean. Joe emphasized that POTA gets hams more involved in the hobby, that it is a great way to socialize and that it also increases operator proficiency.

Education >>> Ellen Vadney, N1ELN, talked to her plans for augmenting educational opportunities for Club members. She is developing a survey to determine what training topics are of interest to members. She circulated a quick paper survey to allow members to jot down tentative training topics.

Ellen has a Master's degree in Education with an emphasis on workforce development.

Mentoring >>> Bill Boyes, KB1G, has been licensed since 1979 and works as an electronics technician. He has delved into a multitude of ham radio pursuits including CW, SSB, digital, SkyWarn, public service and traffic handling. Members of the Club are encouraged to take advantage of his expertise as an Elmer.

Projects and Builds >>> Chris Lirakis, W1QIS, holds a Ph.D. in Physics and has been a ham for many years. Recently retired and moved back to R.I., he is once again becoming active in the Club. He gave a short presentation to acquaint the membership with, and to solicit ideas for, Club projects – Chris "Likes to build stuff." To this end he distributed a survey with a variety of suggested topics from soldering, antennas, schematics, amateur radio software, crystal radios and propagation, etc. See survey below and contact Chris directly with any project activities you would like to see the Club engage in.

1 Introduction

In an effort to better understand what the membership would like to do could you please answer a few questions? We will use this to get the best projects going for the group.

You do not have to put your name on the paper.

Should you feel uncomfortable with filling this out you can feel free to talk to me in person or contact me at clirakis@gmail.com.

What is your interest in doing projects as part of a club activity? (Check all that apply)

- As part of a social community project.
- To learn a skill, such as how to build an antenna.
- To learn details of how the project works.

Are there specific projects that you would like to participate in? (Check all that apply and write in your own where provided.)

- Soldering
- Antennas
- Notation, introduction to a schematic, component identification
- Available software: Modeling or operational like WSPR
- Crystal Radio - Radio basics, passive receiver
- Make a simple active Receiver
- Transmitter - simple transmitters (low power)
- Propagation - how to monitor

Any additional ideas, comments on projects that you would like to see?

Are you aware of other potential work spots?

- Meeting people on the air?
- Regular Nets?
- POTA?
- Contesting or Field Day?

Other?

Any additional comments?

GMRS/FRS Drumbeat >>> Mike Cullen, K1NPT, continues efforts to enhance Aquidneck Island and surrounding areas emergency preparedness and resilience by growing a network of General Mobile Radio Service (GMRS) and Family Radio Service (FRS) users. GMRS and FRS require no examinations or prior knowledge of radio fundamentals, only the price of an HT radio and the $35.00 FCC licensing fee. This makes it an attractive alternative to ham radio licensing. Mike conducts in-person meetings on the second Tuesday of each month from 1800 to 1930 hours at the Middletown Public Library. Also, a Wednesday evening GMRS/FRS net on Channel 3 [462.6125 MHz] at 1930 hours. Please see;

https://www.gen4ai.org/home

for more information.

Club Merchandise >>> Only a few orders have been received to date for Club merchandise. More are needed before we can place an order with the vendor. We have baseball caps, and jackets available all with the NCRC 75th anniversary logo. Member callsign may also be included.

Earth-Moon-Earth (EME) Contacts >>> Bill Corbin, W3CJK, is the lone EME operator in the Club and perhaps in the entire State of Rhode Island. He recently worked an EME contest where he was able to work 31 stations on 1296 MHz using the Joe Taylor, K1JT, Q65 digital mode. This is a relatively large number of contacts for a contest of this type. He attributed this to two factors, first is the close proximity of the Moon to Earth and second, the number stations

on the air as a result. Small dishes [1.0 – 1.5 meter diameter] and low power stations were in play.

Bill also mentioned that enterprising hams are re-purposing inexpensive solar cooker panels available for under $100.00 to fabricate antenna dishes for 1296 MHz and above. This is an inexpensive way to get on EME and are also attractive for apartment dwellers and in HOA-restricted areas.

Bill is willing to Elmer any in the Club interested in this aspect of the hobby. He may be contacted at;

N4Gienny@gmail.com

The W3CJK EME dish!

Club Repeaters >>> Jim Sendrak announced that the W1AAD D-Star repeater will be disconnected from the internet starting 01NOV2025, but discussions are underway to keep it member-funded up and running. Current internet costs are approximately $120.00/month. Stay tuned for more developments on D-Star repeater status.

Bill Boyes mentioned that our W1SYE analog repeater is seldom used for anything only the weeknight 2m nets. Apparently, part of the issue may stem from the somewhat annoying canned messages that over-ride user transmissions. Corry Thibault suggested that we simply have a CW ID broadcast on an hourly basis that users can over-ride with their transmissions. This might encourage more in the Club to monitor the repeater 24/7. Chris Lirakis suggested we use the repeater as a resource to ask questions, discuss problems, etc. In any event, the W1SYE repeater is currently under-utilized.

Community Outreach and Support >>> Mike Rousseau, KC1NEJ, is among a number of the hams in the Club who stay in-touch with the various community events needing Club member support. Two such events are upcoming;

-The Third Annual Sakonnet Coastal Bike and Stroll to take place Saturday November 1st from 0900 – 1200 hours in Island Park. This event is sponsored by the Island Park Preservation Society, Bike Newport, R.I. and Island Park. Please see;

https://www.facebook.com/events/park-ave-portsmouth-ri-02871-united-states/sakonnet-coastal-bike-stroll-2025-%EF%B8%8F%EF%B8%8F/25687739840815522/

for more information on this outing.

-The L'il Rhody Runaround Trail Run at Burlingame State Park, 23 Sanctuary Road in Charlestown, Sunday November 16th. Please see;

https://runsignup.com/Race/RI/Charlestown/LilRhodyRunaround

for more information on the race.

Contact Mike Rousseau if you can support either of these events. [Please see NCRC 2025 member roster on the Club website for Email/phone number.]

W1OP 1st Annual Ham Radio & Electronics Flea Market >>> John Brewer, N1SXB, is the ARRL Affiliated Club Coordinator for the State of Rhode Island. He interacts with all the ARRL affiliated clubs in the state and mentioned that the Providence Radio Association, W1OP, will be holding a flea market this Sunday, October 19th from 0900 – 1300 hours at the Smithfield Sportsman Club, 14 Walter Carey Road, Smithfield. Admission is free with donation of a canned good item or $5.00 to benefit the R.I. Food Bank. Talk-in on the W1OP repeater on 146.835 MHz/146.235 MHz, PL Tone 192.8 Hz.

Treasurer's Report

Newport County Radio Club
Statements of Assets, Liabilities and Capital
At September 30, 2025

Assets	
Cash	7,660.27
PayPal	7,644.57
Total Assets	15,304.84
Liabilities & Capital	
Liabilities	-
Club Equity	(15,304.84)
Total Liabilities & Capital	(15,304.84)

Newport County Radio Club
Change in Capital
1 Month Period Ending September 30, 2025

Beginning Capital	16,677.20
Prior period adjustment	-
Net Income (Loss)	(1,372.36)
Ending Capital	15,304.84

Newport County Radio Club
Statement of Income
1 Month Period Ending September 30, 2025

Income		
Grants	1,260.00	
Dues	2,500.00	
Donations	706.00	
Education	333.00	
Misc	-	
Total Income		4,799.00
Expenses		
Grants	(1,302.54)	
Paypal	-	
Supplies	(2,192.88)	
Education	(408.40)	
Utilities	(1,852.76)	
Insurance	(222.00)	
Banking	(192.78)	
Total Expenses		(6,171.36)
Net Income (Loss)		(1,372.36)

Newport County Radio Club
Statement of Cash Flow
1 Month Period Ending September 30, 2025

Cash at January 1, 2025		16,677.20
Cash Inflows		
Grants	1,260.00	
Dues	2,500.00	
Donations	706.00	
Education	333.00	
Misc	-	
Total Cash inflows		4,799.00
Cash Outflows		
Grants	(1,302.54)	
Paypal	-	
Supplies	(2,192.88)	
Education	(408.40)	
Utilities	(1,852.76)	
Insurance	(222.00)	
Banking	(192.78)	
Total Cash Outflows		(6,171.36)
Cash at September 30, 2025		15,304.84

Notes:		
	Unrestricted cash	$10,631.02
	Restricted ARRL Grant	$2,962.31
	Restricted Pete Lawson Fund	$1,321.36
	Restricted IBM Grant	$390.15

September Requires VOTE

Treasurer's Report

Newport County Radio Club
Statements of Assets, Liabilities and Capital
At October 31, 2025

Assets	
Cash	6,492.83
PayPal	7,691.85
Total Assets	14,184.68
Liabilities & Capital	
Liabilities	-
Club Equity	(14,184.68)
Total Liabilities & Capital	(14,184.68)

Newport County Radio Club
Change in Capital
1 Month Period Ending October 31, 2025

Beginning Capital	16,677.20
Prior period adjustment	-
Net Income (Loss)	(2,492.52)
Ending Capital	14,184.68

Newport County Radio Club
Statement of Income
1 Month Period Ending October 31, 2025

Income		
Grants	1,260.00	
Dues	2,600.00	
Donations	706.00	
Education	333.00	
Misc	-	
Total Income		4,899.00
Expenses		
Grants	(1,302.54)	
Paypal	-	
Supplies	(2,192.88)	
Education	(513.40)	
Utilities	(2,491.26)	
Insurance	(695.94)	
Banking	(195.50)	
Total Expenses		(7,391.52)
Net Income (Loss)		(2,492.52)

Newport County Radio Club
Statement of Cash Flow
1 Month Period Ending October 31, 2025

Cash at January 1, 2025		16,677.20
Cash Inflows		
Grants	1,260.00	
Dues	2,600.00	
Donations	706.00	
Education	333.00	
Misc	-	
Total Cash inflows		4,899.00
Cash Outflows		
Grants	(1,302.54)	
Paypal	-	
Supplies	(2,192.88)	
Education	(513.40)	
Utilities	(2,491.26)	
Insurance	(695.94)	
Banking	(195.50)	
Total Cash Outflows		(7,391.52)
Cash at October 31, 2025		14,184.68

Notes:		
	Unrestricted cash	$9,510.86
	Restricted ARRL Grant	$2,962.31
	Restricted Pete Lawson Fund	$1,321.36
	Restricted IBM Grant	$390.15

New Members

- KC1YHK Bill Cameron Barrington, RI Technician

NCRC Holiday Dinner Party

Monday, December 8, 2025

(No Meeting)

HOMETOWN TAVERN

632 Metacom Ave, Warren, RI

Arrive: 6:00PM Dinner: 7:00PM

Register & Purchase Tickets On-line

NCRC Holiday Dinner Party

Monday, December 8, 2025

(No Meeting)

NCRC Holiday Dinner Party

Monday, December 8, 2025

(No Meeting)

The cost of the meal is $35 per person, and you must make a reservation by Midnight on December 1st in order to meet the cutoff requirements for the restaurant.

Please register and pay (TWO STEP PROCESS) using the links below:

Registration: CLICK HERE TO REGISTER

Payment: Select your number of guests, and enter your name and call below, then click the “Pay Now” button.

Select number of guests

One Guest $35.00 USD

Your Name

NEWPORT COUNTY RADIO CLUB 75 1949-2024

Saturday (October 18, 2025) the NCRC hosted a JOTA event at Fort Wetherill State Park in Jamestown. Scout Troop 1, Rotary Club of Jamestown spent an afternoon of fun and amateur radio operating. The weather was perfect!

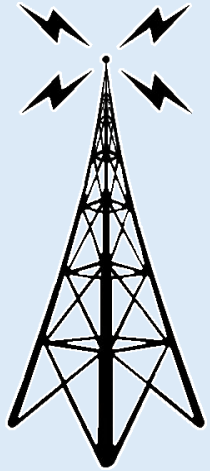
NCRC Coordinator Program

Coordinators:

POTA Joe Demarco	**Education** Ellen Vadney	**Meeting Presentations** ?	**Projects/Build Nights** Chris Lirakis	**Fund Raising** ?
Logo Merch Will Maclean	**I. T.** Bob Beatty	**Field Day(s)** ? ? ? Antennas Tents Radios	**Mentors** Bill Boyes	**JOTA** ?

- Main contact for each division
- Team building within each division
- Coordinate who / what / when / where
- Report to membership

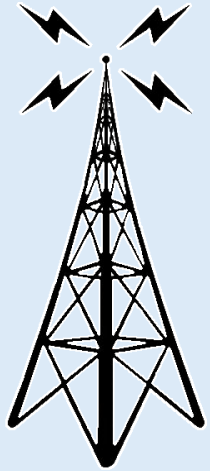
Repeaters



W1AAD 145.300 D-STAR

- Underutilized
- Disconnect from internet November 30th
- Becomes local digital repeater
- Flexible future
- Possible relocation
- $1,500 annual savings

Repeaters

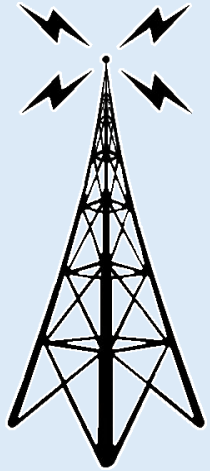


W1SYE 145.45 FM Analog

- **Current Status – poor performance**
- **Repair / Replace? *“Not worth repairing again”***
- **Committee –**
  - Dave Neal W2DAN
  - Paul Fredette K1YBE
  - Mike Seil AA1XQ
- **Mission**

  “Find us new(er) Repeater Equipment”
- **Allocation - $4,000**

Repeaters



W1SYE 145.45 FM Analog

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- **Mission**

  “Find us new(er) Repeater Equipment”
- **Allocation - $4,000**

VOTE!

From the Department Of ...

From the Department Of ...

What Took You So Long?

From the Department Of …

What Took You So Long?

NCRC 2026 Annual Dues … $40

From the Department Of ...

What Took You So Long?

NCRC 2026 Annual Dues ... $40

U.S. BUREAU OF LABOR STATISTICS

CPI Inflation Calculator

$ 25.00

in January 2005

has the same buying power as

$42.58

in September 2025

WFDA

Winter Field Day

2026

January	23	24	25
	Fri	Sat	Sun

- The Glen Permit – Dick Bianco / John Jackman ✓
- Scheduling Coordinator?
- Antennas?
- 1 or 2 stations?
- Should have more operators now – POTA Successes

MEMBER DISCUSSIONS


LOONEY TUNES
"That's all Folks!"

Antennas/W1SYE Projects

Christopher Lirakis
W1QIS

Novemer 12, 2025

Lead up to making a J-Pole antenna

- Antenna Basics
- The importance of impedance matching
- J-Pole vs Dipole
- How to make an antenna
- Web resources

Antennas are super easy to make and there are many web resources.
We are going to focus on electric rather than magnetic antennas.
This is applicable to all frequencies, but we will end up at 2m.
Hopefully, you will feel comfortable at the end of this to understand that you can use items of convience to make antennas.

Introduction of Terms

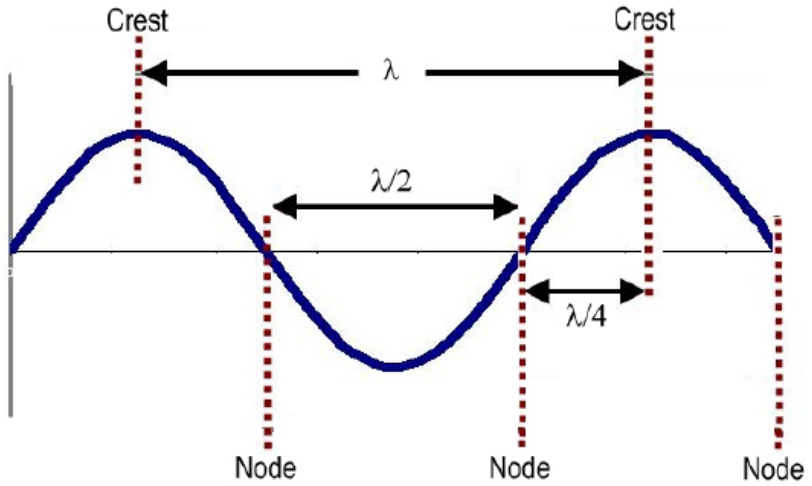

Figure: How to measure a Wavelength

- Any wave has a relationship between the frequency and wavelength.
- The wavelength, symbol λ is the distance from one crest to another.
- The wavelength is related to the frequency by $\lambda = \frac{c}{f}$ where c is the speed of light and f is the frequency in Hz.

Dipole Antenna

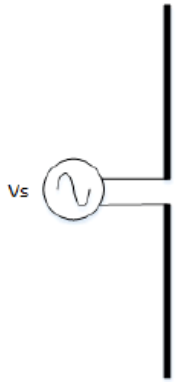

Figure: Schematic of transmitter and dipole antenna.

- The antenna connector of most transceivers is designed for 50Ω.
- Match the impedance of the transmitter to coax and antenna.
- Various schemes for matching exist in the form of:
  - antenna design
  - antenna Matches, gamma, delta, coaxial lines
  - transformers: 4:1, 9:1, 49:1 ULUNs
  - transmatch
- Standing Wave Ratio, SWR, is a measure of how much energy is transfered to the antenna.

Uniqueness of Center Fed Dipole

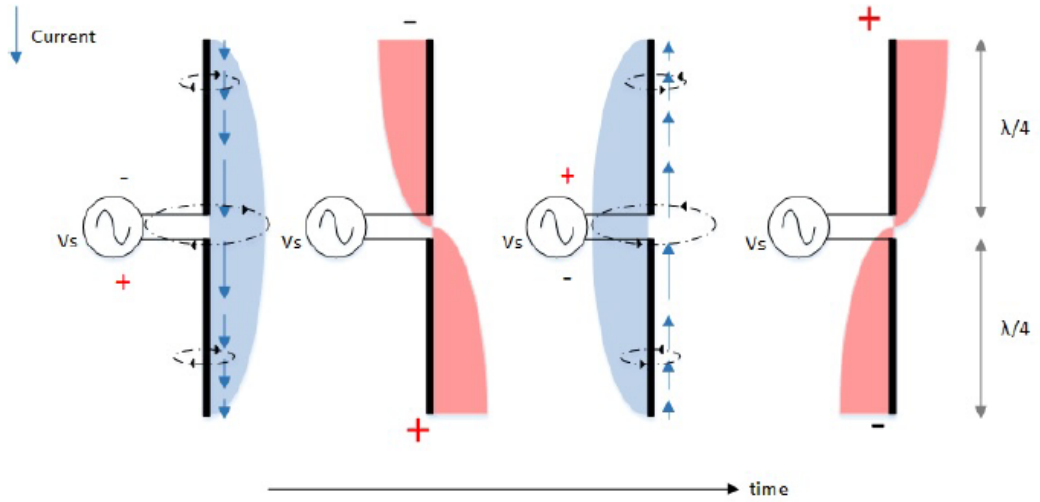

Figure: Relationship between Voltage and Current on center fed dipole.

- the voltage-current phase difference determines the feed impedance
- like Ohms law $R = \frac{V}{I}$
- positive phase difference - inductive
- negative phase difference - capacitive
- typically electrically short antennas are highly inductive

Interesting Facts About "Freespace"

Freespace is a weird term and really only applies to the vacuum of space. Anytime you put an antenna up it will interact with its local environment and will change with the weather. E.G.Rain will change the conductivity of the ground. Point is: nothing is ideal.

- Impedance of any tuned circuit $Z = \sqrt{\frac{L}{C}}$
- Freespace permittivity ϵ_0 controls the capacitance
- Freespace permeability μ_0 controls the inductance
- Freespace Impedance $Z_0 = \frac{\mu_0}{\epsilon_0} = 377\Omega$

The antennaś job is to match your 50ohm feed to this 377ohm freespace impedance for maximum power transfer.

J-Pole

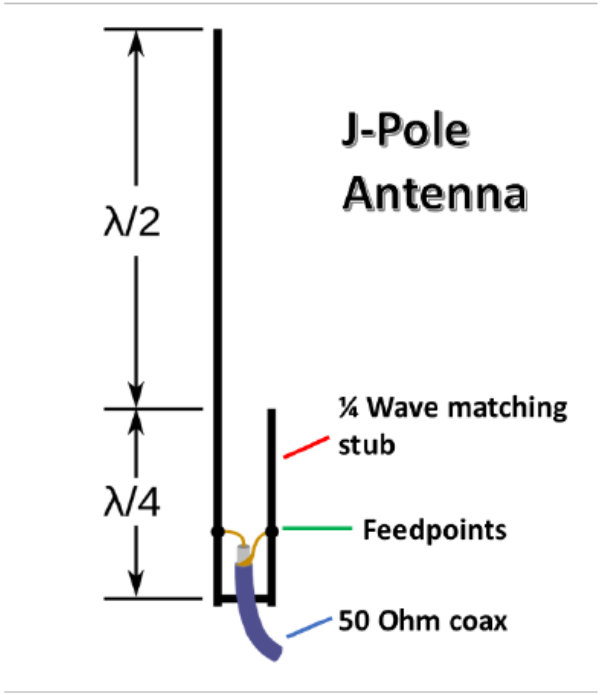

Figure: J-Pole dimensions.

- A J-Pole is a form of an end-fed dipole (End Fed Zepp)
- the feed impedance from the end is 1000s of ohms
- It requires some sort of matching network, (Gamma Match)

Dipole vs J-Pole

- The Dipole and J-Pole have roughtly the same gain.
- J-Pole is easier to tune or match
- What you choose is a matter of what your installation constraints are.
- A J-Pole has a direct connection to ground at all times.

A dipole antenna is super simple to make and use, but isn't alway pratical especially at lower frequencies if you have limited space. Roughly speaking a 6m Jpole is about 9 feet tall.
J-Poles are a version of an end-fed dipole with an integral matching network to get 50Ω. They are also simple to make, and end up being the prefered choice for 2 meters and up.

Practical 2m J-Poles

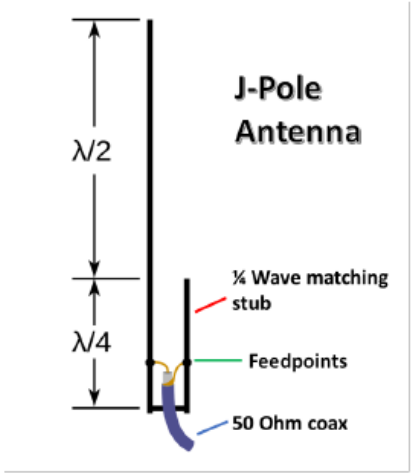

Figure: Plumbers delight

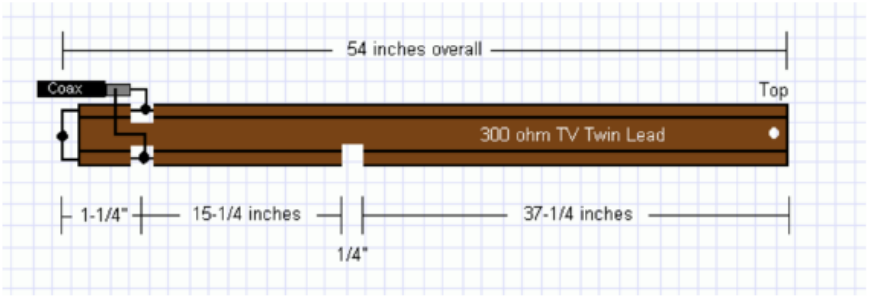

Figure: 300 Ohm Twinlead

Build Session

- Make your chosen J-Pole, There will be soldering!
- Check the SWR and tune your J-Pole
- Use a VNA to characterize your J-Pole

Before build night!

- Sign up in advance - we need to order materials.
- You can bring your HT!
- decide which you want to build.
- discuss in advance with your Elmers as to which you should do.

where to buy things.

- digikey - basically everything: www.digikey.com
- Mouser - similar to digikey : www.mouser.com
- West Mountain Radio - decent selection of ham items. - www.westmountainradio.com/

Cavet Emptor

We will use RG-58 or RG-174 depending on your needs. This won't handle kW powers!
Please know the type of connector your rig has and we can plan for that:

- SMA
- BNC
- PL-259/SO-238
- N

A word on Line of Sight

Figure: Repeater Altitude

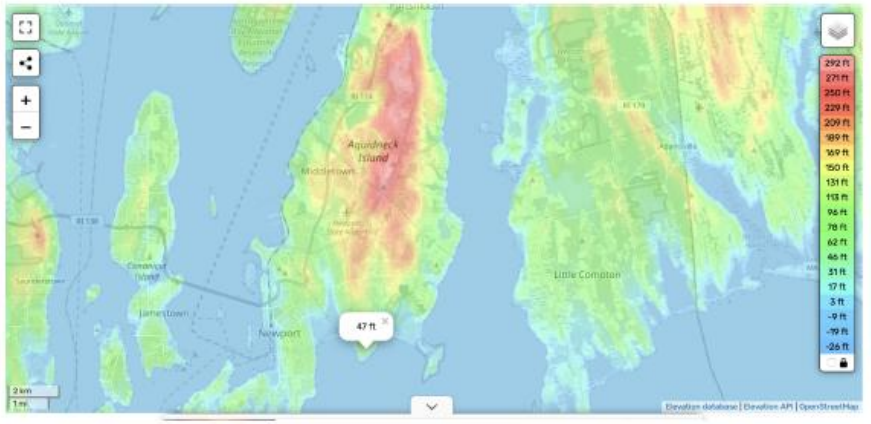

Figure: My Altitude

For my location I loose a lot of signal due to the ridge around Middle Road.

- While this is better than a rubber duck, more geometric gain it is still limited
- gain can come in the form of more power
- Look at the geometry of your location relative to the repeater.

online resources

- J-Pole design tool: https://www.hamuniverse.com/jpole.html
- comparisons: www.onallbands.com/ham-radio-tech-j-pole-antennas-more-than-you-probably-wanted-to-know/
- 2M J-Pole: www.centralmiarc.com/docs/kb9vbrplans.pdf
- 300Ω Twin Lead: www.qsl.net/wb3gck/jpole.htm
- calculator: www.westmountainradio.com/antenna_calculator.php
- ARRL: qsl.net/w/wb4bxw/books/ARRL_Antenna_Book_21st_Edition.pdf
- Details: https://home.cc.umanitoba.ca/ kinsner/umars/clubdocs/cdocs/papers/jpole/ve4wkjpole.pdf
- Article: www.cdt21.com/design_guide/how-antennas-radiate/
- Plumbers Delight - www.arrl.org/files/file/Technology/tis/info/pdf/ac4195.pdf
- twinlead Slim Jim : www.hamuniverse.com/2meter300ohmslimjim.html
- 450 ohm twinlead : www.linuxwolfpack.com/twinlead-jpole.php
- The ARRL handbook is also an excellent resource.