

Albany Amateur
Radio Association

B-PLUS
OCT
2021

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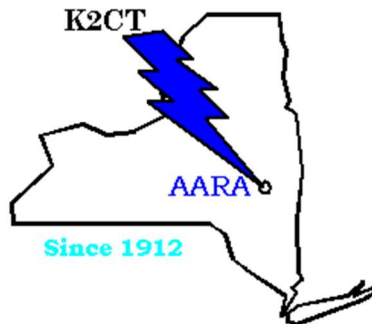
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AARA Meeting

Friday, OCT 8, 2021

Zoom Meeting

<https://us02web.zoom.us/j/85043725384?pwd=bmk5SmF2Zy9aVXN5TnhhUnQvTTIrZz09>

AARA OCTOBER MEETING

Title: AARA October 2021

Zoom Meeting

Location: <https://us02web.zoom.us/j/85043725384?pwd=bmk5SmF2Zy9aVXN5TnhhUnQvTTIrZz09>

When: Friday, October 8, 2021 7:15 PM – 10:15 PM

Contact John for ID and Passcode

Organizer: frittejohn@gmail.com

Please **PAY** your Dues.

AARA Dues

Dues cheerfully accepted,
Dues are \$20.

B-PLUS Newsletter sent via the
K2CT Web page in .pdf format

Checks should be made out to
AARA and sent to:

Saul Abrams, K2XA
307 Maple Rd.
Slingerlands, NY 12159

Making a Simple Vertical Resonate at More Than One Frequency

Bob Raffaele, W2XM

An amateur might plan to erect a 20-meter vertical with a 16.57-foot monopole and eight radials, each about a quarter-wavelength long. Using $L = 234/f$, 16.57 feet is one quarter-wavelength at 14.12 MHz. Making the radials this same length would produce an antenna that is tuned for a frequency between the 'phone and CW portions of the band. Unfortunately, the SWR would be unreasonably high for operation in either segment.

The idea presented here does not actually broaden the response of the antenna; rather, it provides two (typically narrow) resonances, one at 14.01 MHz and one at 14.25 MHz.

Background: Any reasonable number of radials cannot constitute a perfectly conducting surface of infinite extent (the "ideal" counterpoise). The radials are separate conductors, and they act as such. Each of the aforementioned eight radials can be understood to be one half of a dipole, with the vertical element being the other half. In other words, the vertical and its radials can be thought of as many dipoles sharing one element (the vertical one) and having a common feed point.

Concept: Making four of the radials slightly longer and four slightly shorter than 16.57 feet means that four "dipoles" will resonate below 14.12, four will resonate above 14.12, and all of the dipoles are fed somewhat off-center; experiment has shown that "somewhat" is not enough to matter. Using radial wires cut to resonance at different frequencies is reminiscent of the time-honored technique of connecting several dipoles at the same center insulator to achieve multiband capability.

Trial: The prototype 20-meter vertical was constructed according to the following design: monopole height of 16.57 feet; four shorter radials of length 16.27 feet; and four longer radials of length 16.83 feet.

The height of the vertical element plus the length of one of the shorter radials is resonant at 14.25 MHz, according to $f = 468/L$. Similarly, the vertical element's height plus the length of one of the longer radials is resonant at 14.01 MHz.

Success! The resulting antenna loads as expected near the two chosen frequencies. Two distinct SWR minima were observed within one band. At first glance, the antenna appears to be nothing more than a typical quarter-wavelength vertical for 20 meters. In reality, it is a 20-m vertical antenna system tuned for two popular band segments.

This experimental antenna was constructed with only eight ground-level radials: four for each chosen band segment. There are two ways to improve the ground system to make this vertical a more efficient radiator. Obviously, one could use more radials of each length. Not so obviously, one could raise the entire counterpoise (and the feed point, of course) several feet above the earth ground, which would minimize losses.

Bob Raffaele, W2XM, 5 Gadsen Ct., Albany, NY 12205
Tel.: 518 459 8435; e-mail: raffaele0723@gmail.com

The nominating committee is looking for members interested in the following positions:

PRESIDENT, VICE PRESIDENT

SECRETARY, TREASURER,

3 YEAR BOARD MEMBER, + OTHERS

CALL ERNIE, K2EP AT 518.477-9581

New England Parks On The Air Event Set for Mid-October

ARRL.org 09/29/2021

The inaugural Autumn New England Parks On The Air (NE POTA) event will take place on Saturday, October 16, 0000 – 2359 UTC, the [K1USN Radio Club](#) has announced. The goal is to have one group or individual operator at as many [Parks On The Air®](#) as possible. The K1USN Radio Club hopes this will become an annual event. This is a recreational radio event, not a contest, so no logs will be required to participate. Summaries of activity are encouraged, however, and a [post-event link](#) will be available.

“This began as a reaction to the widespread local interest in the Parks On The Air (POTA) program here in New England. Last year, Ohio had a successful Ohio-wide POTA weekend, and Wisconsin is now doing something similar,” said K1USN Radio Club President Pi Pugh, K1RV. “Autumn is a special time in New England, and I figured the event might generate some extra interest before winter. Perhaps this can become an annual New England event or, better yet, an annual nationwide or worldwide event.”

ARRL New England Division Vice Director Phil Temples, K9HI, is hoping the event will give the public a chance to learn a bit more about amateur radio. He encouraged those who plan to participate to promote the event with informational handouts.

Jamboree-on-the-Air (JOTA), the largest Scouting event in the world, also occurs during the weekend of October 16 – 17, and NE POTA participants are being encouraged to reach out to local Scouting groups.

A [spreadsheet](#) has been created to keep track of individuals and clubs that register.

[Contact](#) Pugh, K1RV, for more information.

ARRL, RSGB Announce Joint Events to Celebrate Centenary of Ham Radio Transatlantic Success

ARRL.org 09/23/2021

ARRL and the Radio Society of Great Britain will jointly sponsor events to celebrate the achievement of transatlantic communications by radio amateurs 100 years ago. In December 1921, ARRL sent Paul F. Godley, 2ZE, as its representative to listen for amateur signals from North America during the Second Transatlantic Tests. Setting up his listening station in Ardrossan, on the west coast of Scotland, Godley received the signals of more than 2 dozen US amateur radio stations, the first on December 12 (UTC) from 1BCG in Connecticut, operated by members of the Radio Club of America. The message read: “Nr 1 NY ck 12 to Paul Godley, Ardrossan, Scotland. Hearty Congratulations. (Signed) Burghard Inman Grinan Armstrong Amy Cronkhite.”

These successful transatlantic tests and the ones that followed would spur technological advances and new global wireless distance records. Several amateur radio operating events this year and next will commemorate the centenary of these significant milestones that heralded the dawn of two-way international amateur radio communication.

ARRL and RSGB will activate special event stations for 6 hours (0200 – 0800 UTC) on December 12 for the 160-Meter Transatlantic Centenary QSO Party. The RSGB will activate GB2ZE from Scotland, with a team of stations from the GMDX Group sharing operating duties. ARRL will activate W1AW. The stations will operate only on CW. If transatlantic propagation holds up, the stations may continue to operate beyond 0800 UTC.

The GMDX Group of Scotland will award a *quaich* — a traditional Scottish drinking cup representing friendship — to the *first* stations in North America and the UK to complete contacts with both W1AW and GB2ZE during the QSO Party. A commemorative certificate will be available for download.

The RSGB and ARRL are also organizing an international amateur radio marathon on the HF bands to commemorate transatlantic tests held between 1921 and 1923. The Transatlantic Centenary Marathon will take place in December 2022. The objective will be to mark these historic events by encouraging all radio amateurs to get on the air. Event details are pending.

ARRL and RSGB have assembled a list of stations and groups that are also organizing events and activities to celebrate 100 years of amateur radio transatlantic communication. For more information, visit arrl.org/transatlantic and rsgb.org/transatlantic-tests. The sites also include links to many previously published articles and presentations covering the historic tests.

Additional events and commemorations include:

Radio Club of America (RCA) Transatlantic QSO

Party, 1200 UTC on November 13 to 0400 UTC November 14, 2021 (16 hours total). The QSO Party commemorates the contribution of members of the Radio Club of America, who constructed and operated the 1BCG transmitter site in Greenwich, Connecticut, that sent the first message received by Paul Godley, 2ZE, in Scotland.

W1AW Commemorative Transatlantic QSL Card. Stations making contact with Hiram Percy Maxim Memorial Station W1AW between December 11, 2021, and December 31, 2022, qualify to receive a commemorative

W1AW QSL card. US stations should QSL with a SASE; international stations should QSL via the Bureau.

The 2021 ARRL 160-Meter Contest, 2200 UTC on December 3 – 1559 UTC on December 5. This 42-hour CW-only contest is most similar to the original Transatlantic Tests of the early 1920s. Stations in the US and Canada work each other as well as DXCC entities. The RSGB is planning to activate one of the original call signs used in the Transatlantic Tests, with up to seven different prefixes from the UK and Crown Dependencies. Look for G6XX (England); GD6XX (Isle of Man); GI6XX (Northern Ireland); GJ6XX (Jersey); GM6XX (Scotland); GU6XX (Guernsey), and GW6XX (Wales).

Special Event GB1002ZE, December 1 – 26, 2021. The Crocodile Rock Amateur Group (CRAG) based near Ardrossan, Scotland, will activate the special event station GB1002ZE to commemorate the successful reception of amateur transatlantic signals by Paul Godley, 2ZE, in 1921. The RSGB encourages stations in the UK and Crown Dependencies to append the suffix "/2ZE" to their station's normal call sign throughout the period, as authorized by UK regulator Ofcom.

Weekly roundtable

The Albany Amateur Radio Association will have it's weekly roundtable style net on Tuesday's at 7:00 PM The net will be held temporarily on the 147.330 K2RHI repeater while the K2CT machine is undergoing needed repairs. It is hoped this will be a way for club members to maintain contact outside the monthly meetings.

The 147.330 repeater has positive offset and a 146.2 tone on transmit (and optional on receive).

This machine is home to the Capital District Traffic Net which meets there daily at 6:30 PM until about 6:45. AARA has permission to use the repeater following the conclusion of that net thus the 7 PM start. Please program your transceivers for this frequency and tone. Thanks to Bob K2RHI for the use of his repeater.

Volunteers for net control in future weeks should contact KM2O at km2o@arrl.net

The WARM Award (Worked Albany Radio Members)

This award is sponsored by the Albany (NY) Amateur Radio Association:

The award is available at no fee to all Amateur Radio operators. To submit your application send full log details either by regular mail or e-mail to: wf2b@arrl.net or to Harry (Bud) Hovey, 15 Sylvan Lane, Troy, NY 12180, USA. Do not send QSL cards.

Requirements:

1. For AARA members and/or hams in Albany Rensselaer or Schenectady Counties, 15 points of which 5 must be AARA members
2. For other stations in New York State, 10 points of which at least 1 must be an AARA member.
3. For stations in other "lower 48 states", 7 points of which at least 1 must be an AARA member.
4. For all other locations (DX) 5 points of which at least 1 must be an AARA member.

Points:

5. A point consists of a two-way contact on any Amateur band, any mode (except through land based repeaters) with any station located in any "Albany"* or with any member of the AARA wherever located. * An "Albany" is any city, town, village, county, or other community anywhere in the world with Albany in its name.
6. The WARM award can be endorsed for mode or band.

President's Endorsement:

7. Fulfill basic requirement above except that 4 points must be with different and unrelated "Albanys" other than Albany NY USA. Example: Work Albany NY, Albany GA, Albany New Zealand, Fort Albany Ontario and Albany County Wyoming.

Albanys of the World:

Albany, city, NY State Capital
Albany, city, Alameda County, CA
Albany, city, Dougherty County, GA
Albany, city, Gentry County, MO
Albany, city, Linn County, OR
Albany, city, Shackelford County, TX
Albany, town, Delaware County, IN
Albany, town, Clinton County, KY
Albany, town, Carroll County, NH
Albany, town, Orleans County, VT
Albany, township, Oxford County, ME
Albany, village, Whiteside County, IL
Albany, village, Stearns County, MN
Albany, village, Green County, WI
Albany, Livingston County, LA
Albany, Brian County, OK
East Albany, village, Dougherty County, GA

New Albany, city, Floyd County, IN
New Albany, city, Wilson County, KS
New Albany, city, Union County, MS
New Albany, village, Franklin County, OH
New Albany, borough, Bradford County, PA
North Albany, Benton County, OR
Albany County, NY
Albany County, WY
Albany, Western Australia (VK6)
Albany, Jamaica
Albany, Prince Edward Island, Canada
Albany, New Zealand
Albany Creek, Queensland, Australia
Albany's Point, Bermuda
Albany Island, Galapagos Islands
Fort Albany, Ontario, Canada (on an island in Albany River)
New Albany, Nova Scotia, Canada
Albania, the country

October State QSO party events

California	+ California QSO Party	1600Z, Oct 2 to 2200Z, Oct 3, 2021
Nevada	+ Nevada QSO Party	0300Z, Oct 9 to 2100Z, Oct 10, 2021
Arizona	+ Arizona QSO Party	1500Z, Oct 9 to 0500Z, Oct 10, 2021
Pennsylvania	+ Pennsylvania QSO Party	1600Z, Oct 9 to 0400Z, Oct 10, 2021 and 1300Z-2200Z, Oct 10, 2021
South Dakota	+ South Dakota QSO Party	1800Z, Oct 9 to 1800Z, Oct 10, 2021
New York	+ New York QSO Party	1400Z, Oct 16 to 0200Z, Oct 17, 2021
Illinois	+ Illinois QSO Party	1700Z, Oct 17 to 0100Z, Oct 18, 2021

School Club Roundup

<http://www.arrl.org/school-club-roundup>

October Session: October 18-22, 2021

The nominating committee is looking for members interested in the following positions:

PRESIDENT, VICE PRESIDENT

SECRETARY, TREASURER,

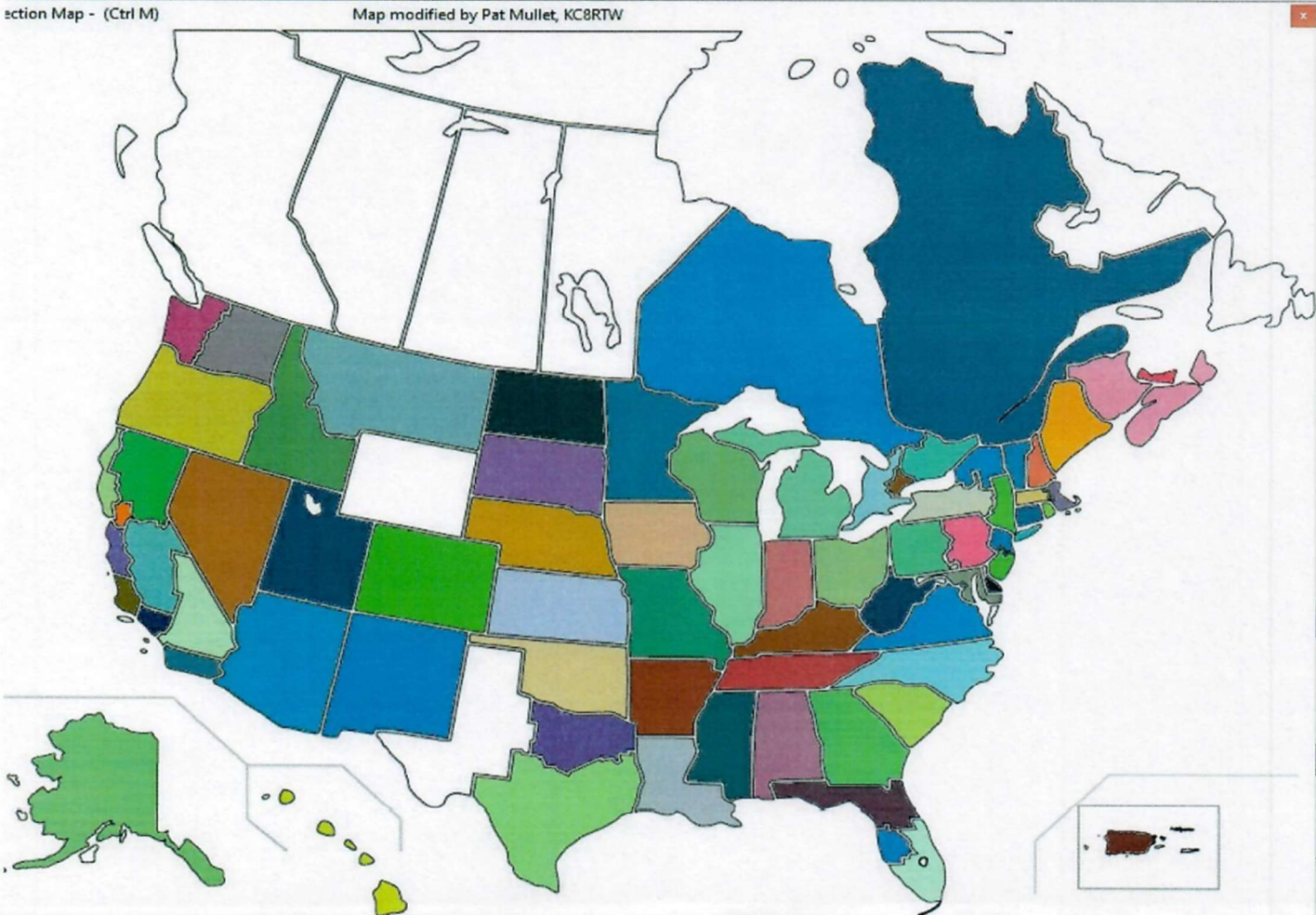
3 YEAR BOARD MEMBER, + OTHERS

CALL ERNIE, K2EP AT 518-477-9581

Field Day Summary

<http://k2ct.org/Field%20Day%202021%20Summary.html>

sections worked



Current Band & Mode		Find		Recent Contacts							Last 20		All	
Rec	Call	Class	Sec	Date / Time	Bnd	Mode	Country	Initials	Operator					
1123	AJ2J	1A	LAX	06/27 17:59	40	PH	USA	RR	WB2BW					
1122	KD2PWL	1B	ENY	06/27 17:01	40	PH	USA	MH	KC2IXN					
1121	N2SF	4A	ENY	06/27 17:00	40	PH	USA	MH	KC2IXN					
1120	W2IR	1D	ENY	06/27 16:58	40	PH	USA	MH	KC2IXN					
1119	K2VN	3A	NLJ	06/27 16:56	40	PH	USA	MH	KC2IXN					
1118	W1FYG	1E	CT	06/27 16:54	40	PH	USA	MH	KC2IXN					
1117	KC1CUE	2F	RI	06/27 16:53	40	PH	USA	MH	KC2IXN					
1116	K4PMH	1A	VA	06/27 16:53	40	PH	USA	MH	KC2IXN					
1115	W3LJF	7F	WPA	06/27 16:52	40	PH	USA	MH	KC2IXN					
1114	W2EF	4A	NNJ	06/27 16:50	40	PH	USA	MH	KC2IXN					

Score Statistics	
Total CW Contacts	251
Total Phone Contacts	496
Total DIG Contacts	371
Total QSO Points	1,740
QSOs / Hr (Last 20 min)	0
QSOs / Hr (Last 60 min)	0

Call	Class	Section
<input type="text"/>	<input type="text"/>	<input type="text"/>

Ready to begin!

Please select your band and mode from the menu!

Clear Spot Last

Possible Duplicates		<input checked="" type="checkbox"/> Any Portion
Iowa Total = 6		
Bands: 40 = 4 20 = 2		
CW= 2 PH= 1 DIG= 3		

DX	3	5	7	0	
DX	DE MDC	AR NTX	AK NV	CO MO	
1	EPA WPA	LA OK	AZ OR	IA ND	
CT RI	4	MS STX	EWA UT	KS NE	
EMA VT		NM WTX	ID WWA	MN SD	
ME WMA	AL SC		MT WY	Canada	
NH	GA SFL	6		AB NT	
	KY TN	EB SCV	MI WV	BC ONE	
2	NC VA	LAX SDG	OH	GTA ONN	
ENY NNY	NFL VI	ORG SF	9	MAR ONS	
NLJ SNJ	PR WCF	PAC SJV		MB PE	
NNJ WNY		SB SV	IL WI	NL QC	
			IN	SK	

Bearing: Band: 20 Mode: DIG K2CT 3A ENY 6 40 17 PM
 Miles: 22 40 17 UTC

edited by Mike Bergman, WD2AJS, 45 Swartson Ct., Albany, NY 12209 518 489-3110. **Articles** and B-PLUS **Swap Shop items** accepted and solicited via mail, phone, or e-mail to wd2ajs@nycap.rr.com
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