

The Hertzian Herald



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Hi and welcome to fall, I mean to all,

I hope you are well and are enjoying the change of seasons.

This has been a different kind of week for me. I went way outside my comfort zone and braved the TV camera for ham and science. You don't know what it feels like until you do it. I didn't know the questions beforehand and it's hard to think and talk at the same time when you know the camera is rolling. I didn't sweat, but did need some water after only 2 questions.FOCUS



Derek Witt from 13 ABC and the news department put together the eclipse and sky wave propagation story understandable in 2 minutes. He nicely stitched in my statement "that the eclipse simulates night". Derek had a clear understanding of the science. He should get all the credit.

Derek and I also talked about the "old days" at TV 13 when it was WSPD. He is a pretty young guy but he knew about Frank Venner and Gordon Ward. He also mentioned interesting old equipment in their basement in Toledo. I joked with the YL who operated the camera, that they used to *ride the cameras and they had to work on them too*.

At the end of the interview I had a QSO with a nice guy in Pa. that was running a pre-net. Walt, KB3LGO, who very nicely repeated everything I said to him about the solar event and the TV interview I was doing. Walt is obviously an experienced net controller.

Apologies to Don for my mistake about which class got canceled. For some reason I included the wrong info in an email. I hope it didn't get disseminated too far. I'm sorry and I didn't mean to pinch your baby.

I have been operating FT8 lately and plan to for the Saturday's solar event. The eclipse will be history by the time you read this. If you logged any contacts during the event, please send them in. It's not a contest and is real science. You will be asked a few questions about your station and the antenna you are using when sending in your log. No freebies to win with this one Paul. April 2024 will be total solar eclipse for our area. More radio fun.

I hope everyone is making some contacts and logging them, for VOTA, upload them to LOTW.

POTA, I logged a park in Denmark a few days ago FT8. Later I logged him at home SSB. 100w or less.

Parks all over the world are being activated and many on 10 meters. Please upload park contacts to LOTW for VOTA credit as well.

Pray for the victims of terrorism and for the troops that fight for them.

God bless and 73, Keith, KJ8H

<http://mcrca.org/>

www.facebook.com/groups/1643856795878368/

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MCRCA Meeting Minutes for September 21, 2023

Meeting called to order at 7:30 pm, by Keith KJ8H.

Pledge of Allegiance

Introductions: No new members, upgrades or guests.

MINUTES: Motion by Paul W8PI, supported by Don N8BZN, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Don N8BZN, supported by WES KC8SKP, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Paul W8PI, Swain Island Dxpedition

CONTESTING: Paul W8PI, QSO Parties, 7th CA,— 14th AZ, PA, SD,— 21st NY,— 22nd IL,— 28th CQWWDX SSB, —VOTA all year long, and POTA

TESTING: Paul - Next session - Sat. Oct. 21, 2023. **Appointments Preferred - FRN and email req'd**

CLASSES: Sat. October 14, 2023 contact Don N8BZN, Don is going to do a General class December 9th, watch web page.

ARPSC: Terry N8NYP, we could use more help with SET. Other organizations are doing a table top program Sept. 30th, we will do a little more with our group, 8am at the EMD. If nothing else, please check in to the net.

Dale WA8EFK - Halloween Spook patrol in Dundee 5:30 to 8:00 pm. Meet at Wendy's or BK 5 pm

ARRL: Emergency Communications Field Service Comm. working on a presentation to the club

RRRA: Everything working except DMR in Dundee. ARDF Fox Hunt Oct. 7th on foot near Chelsea 10-2 pm. 5 foxes \$10 fee – 2m, get info from ARRL or Paul. — Coming up, Great Lakes Division Election. Vote Scott Yonally N8SY.

OLD BUSINESS: None

NEW BUSINESS: Don and Tony re-strapped the coax to the Red Cross tower. Thank You.

DOOR PRIZE DRAWING: Wes KC8SKP

50/50: James Toomey WD8NWF, donated winnings to Scholarship.

ANNOUNCEMENTS: Anyone wanting to renew ARRL Memb. through the club I will be sending in forms soon.

PROGRAM: Paul W8PI's Video – History of Ham Shacks K8QS and WA8TDO

ADJOURNED: 8:17 pm

ATTENDANCE: 14

WA8EFK Dale	N8BZN Don	K8EBI Fred
KB8OSU George	WD8NWF James	KJ8H Keith
KE8UWZ Mike	KA8PQH Neil	W8PI Paul
KE8YQE Phil	KE8OSX Ron	W8SMB Scott
N8NYP Terry	KC8SKP Wes	

Committees

Club Station

Wes Busdiecker KC8SKP

DX Net

Soon

Field Day

Jeff Breitner KA8NCR

Finance

Paul Trouten W8PI (chair)
Fred VanDaele K8EBI
Dale Williams WA8EFK

HamFest

Fred VanDaele K8EBI

Hertzian Herald

Fred VanDaele K8EBI

Historian

Paul Trouten W8PI

Public Relations

Terry Kolton N8NYP
Tom Imlach KE8KNZ

Scholarship

Fred VanDaele K8EBI

Program Chairman

WANTED

Membership

Terry Kolton N8NYP
n8nyp@arrl.net

Property Custodian

Paul Trouten W8PI

Real End Fed Half Wave Antennas

by: Steven Pempernel

PSA to clarify the difference between two designs for an EFHW impedance matching box.

The first is the "standard" 49:1 transformer, with separate primary and secondary windings. Usually having the primary twisted with the first few turns on the secondary for dubious reasons.

The second is a 49:1 auto-transformer, with a single winding that is tapped after the second turn to share the primary and secondary turns.

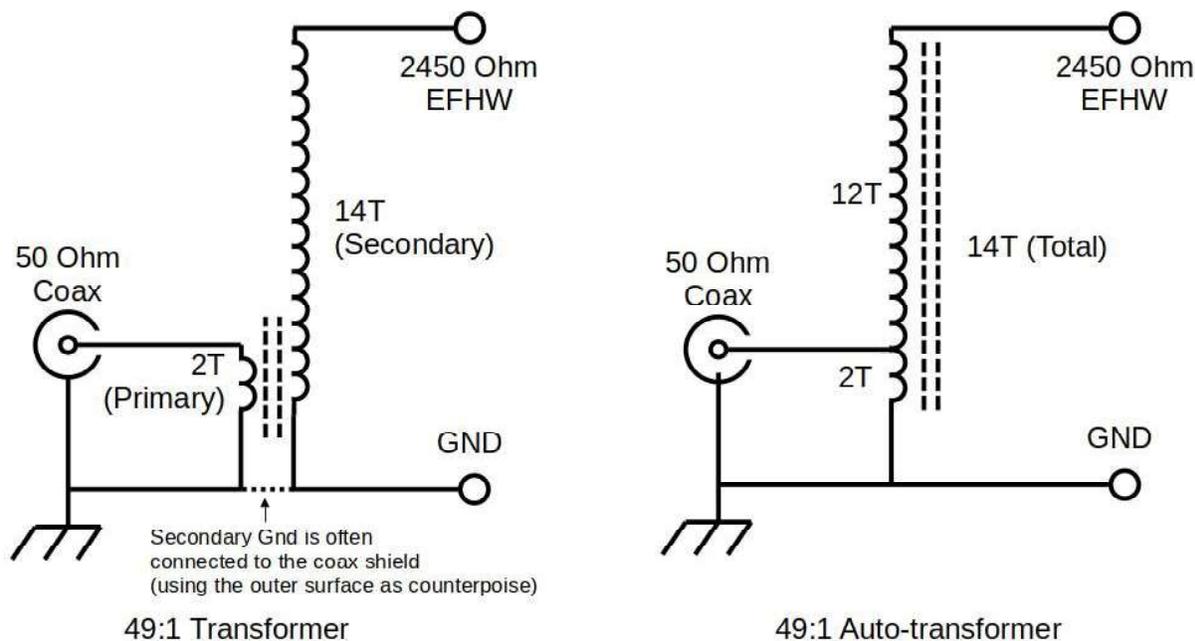
Both designs provide a 49:1 ratio for impedance transformation, given that both have 2 primaries and 14 secondary turns. Other ratios, such as 64:1 with 2/16 turns, will give the same result with either design.

Either design could have a cross-over in the secondary winding. This is very common in the standard design and less common in the autotransformer design. The only practical effect of the cross-over is to position the antenna side opposite the primary side. In theory this reduces stray capacitance by separating the input and output, though in practice the effect is insignificant.

The spacing of the secondary turns, especially their proximity to the primary turns, will alter the match and efficiency of the design.

I've not shown the 100 pF capacitor that is common to both designs and connected in parallel with the primary turns. The effect of this capacitor is to improve the match on the 10M band.

The pros & cons of each are subtle, but in short: everyone knows the standard design and it works very well, but the autotransformer design should be slightly more efficient. Note this efficiency advantage will not be noticeable on air, but it should result in reduced heating of the core, which is worth considering.



Conventional Transformers vs Auto Transformers for RF use

<https://www.youtube.com/watch?v=rI-nl0DFjEM>

ARPSC Report for October

The 2023 Monroe County Simulated Emergency Test was held Saturday September 30th with our briefing at 8am. The format was a bit different this year as we assisted Monroe County Emergency Management and Southeast Michigan Incident Management Team during a Table Top Exercise that they were putting on. The Table Top Exercise consisted of a simulated Train derailment with Hazardous Materials near the Wayne/Monroe County line. ARPSC had 16 operators in the field staffing the EOC and Promedica Monroe Hospital, simulated a shelter from Nike Park and simulated the Incident Command Post from Kirby Church in New Boston. Also participating at the simulated Incident Command Post was Drone Mission Members from Monroe Squadron of the Civil Air Patrol. CAP personnel operated their drone to get aerial footage from the simulated scene and fed it back to the EMD for use by the drill facilitators. All communications from CAP to EMD was handled by the Amateur Operators staffing the ICP. In a real event, this is how we would be utilized in the field, all communications from any Volunteer Organizations Assisting in a Disaster (VOAD), would be gathered and handled by Amateur Radio back to the EMD.



We were also assisted by Bill Liebengood N8RWF, who volunteered to act as a liaison station between our net and the National Traffic System. Bill gathered all the radiograms produced and moved them into the system; he was able to get everything moved and cleared before the end of NTS cycle Two that day. By working in conjunction with the county drill, it allowed us to demonstrate in real time, with the agencies and under circumstances we would be operating in during an emergency.

I would like to Thank Monroe County Emergency Management and the Southeast Michigan Incident Management Team for allowing us to participate and to demonstrate our skills and services to the Public Safety teams in the county.

I am currently working on the scoring and after action reports which will take a bit longer this year. It is my hope to have the reports done and announced at our meeting and here in the newsletter by the end of the year.

I cannot express the gratitude I have for the ARPSC team and the rest of the Amateur Operators in Monroe County for their work and support in the SET and EVERYDAY! THANK YOU ALL!!

The next upcoming event is the Dundee Spook Patrol. This year it is Tuesday OCTOBER 31st from 6-8pm. If you can help out, contact me or Dale WA8EFK.

There will be a Saturday Training Session Saturday November 4th at 9am at EMD. We will be discussing several topics and handling several administrative issues. Please bring your ARES Position Task Book for sign offs.

If you are interested in honing your skills or building new ones, please feel free to stop in to any of our meetings or training sessions, or participate on our nets. We are here to help every operator learn and perform better. It doesn't matter if your call sign was just posted on the FCC database or you have had your ticket for decades, we are always looking for additional operators.

ARPSC meetings are usually the first Thursday of every month at 7:30pm at the EMD on Raisinville Rd. The next meeting is Thursday November 2nd.

As always Thanks to the club and the club webmaster for linking our FB and webpage, and to Fred for his time getting this newsletter out.

73
Lance Charter, KE8BYC
Emergency Coordinator
Monroe County Amateur Radio Public Service Corp

Where 'Roger That' Really Comes From

You've probably been saying it your whole life without knowing where it came from



Bettmann/Getty Images

The term "Roger that" is a widespread term for confirmation, either between truckers on their [CB radios](#), kids playing back and forth with [walkie-talkies](#), or even face to face. But it's easy to adopt the phrase and understand what it means without ever really knowing where it came from. So here's a (very) brief history for your edification.

"Roger" comes from the phonetic alphabet [used by military and aviation personnel during WWII](#), when the use of [two-way radios](#) became a main form of communication and operators need crystal clear ways to spell things out with no room for misinterpretation. You may be familiar with the current NATO version of the phonetic alphabet ([Alpha, Bravo, Charlie](#), etc.), where the word for "R" is Romeo, but before that standard was adopted in 1957, the words were a bit different, and the word for "R" was "Roger."

But the use of "Roger" as a confirmation has roots that go back even further, according to [a blog post by Jakub Marian](#). In the [Morse code days](#), when sending long messages could be arduous, a useful shorthand was to respond with single, meaningful letters.

Responding to a message with the letter "R," for example, simply let the sender know their message had been received. When two-way radio came along, the shorthand continued, but with the word "Roger" instead of "R" itself.

Even though Roger has since been replaced with Romeo (and was "Robert" before it was ever Roger), the widespread use of the two-ray radio during the WWII wildly popularized the saying we still use so casually today. Roger that?

Monroe County Radio Communications Association

Dues run from January 1st to December 31st of each year. As a current / Past Member, you are invited to attend our monthly meetings to find out the latest plans for our club. You may pay your dues at any regular meeting or by filling in the form below and mailing it to:

MCRCA, 4 Carl Dr, Monroe, MI 48162.

Your membership and support will help with the continued success of our club. Thank you.

MEMBERSHIP APPLICATION / RENEWAL FORM

Regular – \$10 — Add'l Family – \$5 each

DATE _____ ARRL MEMBER? Y _____ N _____ RRRR Member? Y _____ N _____

NAME _____

ADDRESS _____ PHONE _____

CITY _____ STATE _____ ZIP _____

CALL _____ CLASS _____ E-MAIL: _____

ADDITIONAL Family Members: _____

Please Circle All That Apply:

Active Bands: 160 80 75 40 30 20 17 15 12 10 6 2 220 440 higher

Modes: CW - SSB – DIGITAL - PACKET - RTTY - FM - DX - MOBILE - EME - SAT - ATV - SSTV

Interests: Traffic - DX - Contests - Foxhunts - Satellites - Nets – Antennas - Computers
Emergency - ARES/RACES - Skywarn - Classic Radios (circle all that apply)

Do you plan to upgrade your license? Y _____ N _____ If yes, what class? _____

What kinds of meeting programs would you like to see?

Other activities you would like to see the Club offer _____

General Comment's _____

Signature _____ Date _____



The American Radio Relay League's round-up of the forthcoming week's DX activity on the amateur radio bands

This week's bulletin was made possible with information provided by The Daily DX, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

MALTA, 9H. Special call sign 9H6S is QRV during the Scouts Jamboree On the Air event on October 15. QSL via 9H1PI.

MADEIRA ISLAND, CT3. Martti, OH2BH is QRV as CT3BH until October 16. This includes being an entry in the Scandinavian Activity SSB Contest. QSL direct to home call.

NORTH COOK ISLANDS, E5. Janusz, SP9FIH is QRV as E51JAN from Manihiki, IOTA OC-014, until November 6. Activity is on the HF bands. QSL to home call.

NIUE, E6. Stan, LZ1GC and Dimo, LZ1ON are QRV as E6AM until October 23. Activity is on 160 to 6 meters using CW, SSB, and FT8. QSL via LZ1GC.

GADELOUPE, FG. Philippe, F1DUZ will be QRV as FG4KH from October 17 to November 7. Activity will be on the HF bands. This includes being an entry in the upcoming CQ World Wide DX SSB contest. QSL to home call.

MAYOTTE, FH. A large group of operators are QRV as TO8FH until October 22. Activity is on 160 to 6 meters using CW, SSB, RTTY, and FT8. QSL via F5GSJ.

ISLE OF MAN, GD. MT0KKG is the club call for the Sight Matters Amateur Radio Club based in the capital of Douglas. It is a new club for those with visual impairment, assisting club members to get a license, be on the air, and to operate independently. QSL via operators' instructions.

SVALBARD, JW. Operators JW7XK, JW9DL and JW6VM are QRV from Longyearbyen, IOTA EU-026, until October 16. Activity is on the HF bands and various Satellites using CW, SSB, and FT8. This includes being an entry as JW5X in the Scandinavian Activity SSB Contest. QSL JW7XK via LA7XK, JW9DL via LA9DL, JW6VM via LA6VM, and JW5X via LoTW.

SWAINS ISLAND, KH8. A group of operators are QRV as W8S until October 17. Activity is on 160 to 6 meters using CW, SSB, RTTY, and FT8 with 6 stations. QSL via M0OXO.

FAROE ISLANDS, OY. Special event station OY18CHR is QRV until October 15 to mark the 18th birthday of HRH Prince Christian. QSL via LoTW.

DENMARK, OZ. Special event station OZ18CHR is QRV until October 15 to mark the 18th birthday of HRH Prince Christian. QSL via LoTW.

GREECE, SV. Frank, PH2M will be QRV as SV8/PH2M from the Cyclades, IOTA EU-067, from October 13 to 20. Activity will be on 80 to 10 meters using mostly FT8. QSL to home call.

TUVALU, T2. A large group of operators are QRV as T2C from Funafuti Island, IOTA OC-015, until October 30. Activity is on 160 to 6 meters using CW, SSB, RTTY, and FT8 with four stations. QSL via DL4SVA.

EAST KIRIBATI, T32. Ken, KH6QJ is QRV as T32AZ until October 24. Activity is on 160 to 10 meters using SSB. He plans to be active in upcoming various USA state QSO parties. QSL to home call.

INDIA, VU. Special event station AT30IHH is QRV until December 31 to celebrate the 30th anniversary of the Indian Institute of Hams, whose focus is to train and bring young people into the amateur radio community. QSL via bureau.

BURKINA FASO, XT. Harald, DF2WO is now QRV as XT2AW from Ouagadougou until October 26. Activity is on the HF bands using all modes. QSL via M0OXO.

TRISTAN DA CUNHA AND GOUGH ISLANDS, ZD9. Yuris, YL2GM is QRV as ZD9W from Tristan da Cunha, IOTA AF-029, until October 22. Activity is on 160 to 6 meters using CW, SSB, and FT8. QSL via LoTW.

THIS WEEKEND ON THE RADIO. The Solar Eclipse QSO Party, Oceania DX CW Contest, Asia-Pacific Fall CW Sprint, NCCC FT4 Sprint, NCCC RTTY Sprint, NCCC CW Sprint, K1USN Slow Speed CW Test, Makrothen RTTY Contest, Nevada QSO Party, SKCC Weekend CW Sprintathon, Scandinavian Activity SSB Contest, Arizona QSO Party, Pennsylvania QSO Party, South Dakota QSO Party, PODXS 070 Club 160-Meter Great Pumpkin Sprint, Argentina National 7 MHz SSB Contest and the UBA ON 2-Meter Contest will certainly keep contesters busy this upcoming weekend.

The Run for the Bacon QRP CW Contest, K1USN Slow Speed CW Test, ICWC Medium Speed CW Test, OK1WC Memorial, RSGB FT4 Contest, Worldwide Sideband Activity Contest, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test 40 CW, Mini-Test 80 CW and the AGCW Semi-Automatic Key 80-Meter CW Evening are on tap for October 16 to 18.

ARRL School Club Roundup runs from October 16 to 20.

Please see October 2023 QST, page 72, and the ARRL Contest Calendar and WA7BNM Contest Web Sites for details.

Amateur Radio Examinations Monroe, MI

Monroe County Radio Communications Association Amateur Radio examinations are held the 3rd Saturday of every even numbered month at:

American Red Cross Chapter Bldg.
1645 North Dixie Highway
Monroe, MI 48161

Registrations preferred
Call for information.
email address and FRN required

2023 Schedule:
February 18 April 15
June 17 August 19
October 21 December 16

TESTING BEGINS PROMPTLY AT 9:00 AM

Applicants are expected to have all forms filled out and be ready to take tests at that time. Coffee and doughnuts are available at 8:30 AM. For more information or to make reservations, call Paul Trouten - W8PI at 734-854-2224

Join us at the next meeting

September 19th at 7:30 pm
American Red Cross Chapter Bldg.
1645 North Dixie Highway
Monroe, MI 48162

Local Net

ARPSC Net - Every Monday evening on '72-Monroe (146.72 Mhz) starting at 8:00pm.

ARPSC Meeting first Thursday of every month at the EMD office on Raisinville Rd.. 7:00 PM

One Day General class

Next class will be December 9, 2023

The Monroe County Radio Communications Association (MCRCA) is offering a one-day Amateur Radio course for the **General** class license. The General license class had to be changed to December 9th, 2023. If you are interested in upgrading to General we will have room for the about 10 people. The class will run from 8:30 AM to about 3:30 PM with the test immediately following. If you are interested please email Don Fritz at donfritz56@gmail.com for more information. Deadline for registration is November 27th so register early to reserve your spot. The cost is \$10 and includes lunch, snacks and beverages. The test will be conducted immediately following the class and has a separate fee of \$14. These classes will be held at the Red Cross building, 1645 N Dixie Hwy, Monroe, MI 48162.

All study material and testing paperwork will be provided at the time you sign up and you should plan on doing some pre-class studying to make things easier in the class.

N8BZN Don Fritz / (419) 345-4495 after 6PM / Donfritz56@gmail.com

New MCRCA Members

Please welcome recent new members to the club.