

# The SKYHOOK

HOLIDAY CITY AMATEUR RADIO CLUB



[www.hcarc.us](http://www.hcarc.us)

April 2025

Toms River, NJ

## President's Message



On April 18 radio amateurs worldwide take to the airwaves in celebration of World Amateur Radio Day. It was on this day in 1925 that the International Amateur Radio Union was formed in Paris. The IARU works tirelessly to defend and expand the frequency allocations for Amateur Radio.

The formation of this organization fulfilled the vision of Hiram Percy Maxim's that an establishment was needed to represent and coordinate the work of radio amateurs worldwide.

The event is not a contest but just a means for amateurs to communicate worldwide and share goodwill and scientific accomplishments.

Common frequencies being used for World Amateur Radio Day may be found in Google by typing "Frequencies for World Amateur Radio Day".

Since this is the time of year when we evaluate our antennas, our April meeting will discuss the importance of this portion of the radio station. Basic antenna theory along with home-built antennas will be discussed.

## April Birthdays

Donna Perry  
Grace Puccio  
Marjorie Stefiej



## Our April Buffet Luncheon



We're having a buffet lunch at 12 noon on Wednesday, April 9<sup>th</sup> at the Fortune Buffet, 1311 NJ Route 37 West, <http://www.njfortunebuffet.com>. As always, your family and friends are also invited.

Y'All come.

The HCARC Chinese Buffet will start at noon on Wednesday, April 9th, so mark your calendar.

**OUR NEXT REGULAR MEETING:**  
**Thursday April 3rd**  
**at 7:00 PM**  
**Holiday City South Clubhouse A**  
**Santiago Drive at Mule Road**

## Ocean County ARES® News

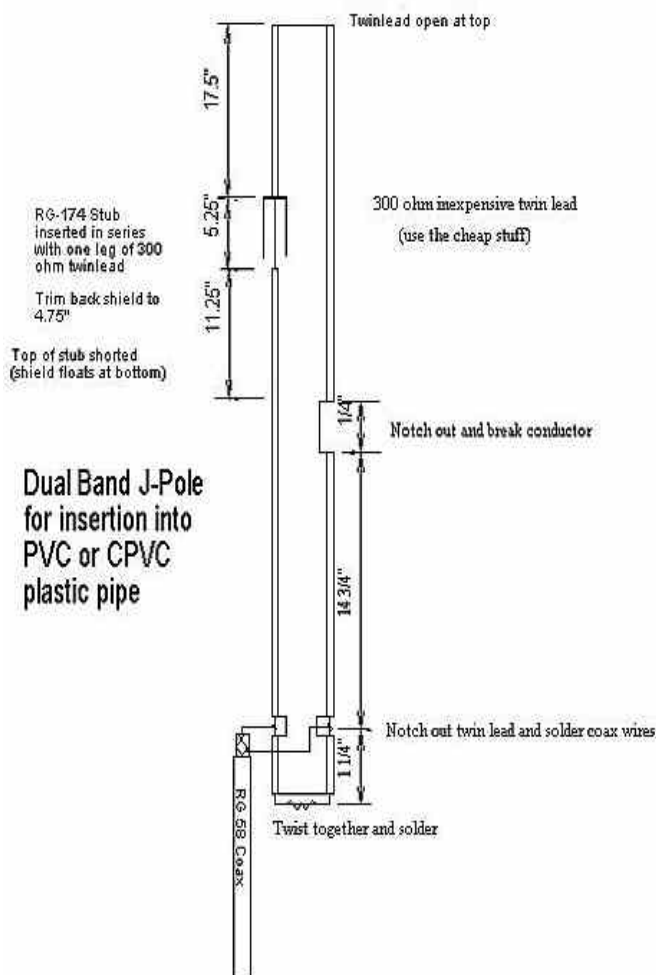
April 2025

Last month a document was released by Ocean County ARES describing how to load Linux on a PC to run Winlink and Vara FM/HF. The document is open for anyone to use and can be downloaded from:

<http://www.wa2res.com/Linux%20Winlink-VARA.pdf>

The document was a combined effort of W2YG (now in Florida) and WX2NJ. Please direct any errors you may find to WX2NJ.

At the February ARES meeting, WX2NJ demonstrated how to construct an inexpensive J-Pole antenna inside a PVC or CPVC pipe for 2 meters and 70 cm communications. The antenna uses simple 300 ohm TV twin lead (still available on eBay) and a short length of RG-174 coax. For those that are interested, here is the construction diagram:



I used this design on my bike for years to support MS-170 tours with amateur radio communications. RG-58 or RG-8X can be easily used for the feedline.



*Most have seen the picture before but here is the finished product:*

Please remember that to check the SWR after construction, you MUST have the antenna inserted into the plastic pipe. You will NOT get a correct SWR reading in open air.

**The next meeting** of Ocean County ARES will be Wednesday, April 16th at 7:00 PM at the Ocean County EOC, Robert J. Miller Airport, Berkeley Township. All are welcome.

I would like to congratulate a new member of Ocean County ARES:, KC2KTC - Mike.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

## Ocean County ARES Training Nets And Meetings

Training Nets are suspended during emergencies, disaster relief efforts, and some holidays.

**Net Schedule A:** 1<sup>st</sup>, 3<sup>rd</sup>, and 5<sup>th</sup> (if needed) Wednesday every month except during meetings (see "Meetings", below):

7:30pm 145.170 MHz, 8:30pm 449.825MHz

**Net Schedule B:** 2<sup>nd</sup> and 4<sup>th</sup> Wednesday of every month:

7:30pm 449.825 MHz, 8:30pm 145.170 MHz

### Meetings:

7:00 am on 3<sup>rd</sup> Wednesdays of even-numbered months (Feb, Apr, Jun, Aug, Oct, & Dec).

## Attention HCARC Board Members

The HCARC Board Meeting is always supposed to be 8 days before the next HCARC Club Meeting. That means that the April meeting is to be on April 23<sup>rd</sup>, not April 30<sup>th</sup>, so mark your calendar.

### Our Volunteer Examiner Crew

Larry [K2QDY](#) (Liaison) 732-349-2950,  
John [KQ4WR](#), Steve [N2WLH](#), Michael [WA2CWX](#),  
Larry [WA2VLR](#), Ed [WB2QWC](#)

*License exams are given by appointment at 6:45pm on the first Wednesday after each HCARC meeting at Holiday City South Clubhouse Bldg A, which is at the corner of Mule Rd. and Santiago Dr. Call Larry Puccio, [K2QDY](#), at 732-349-2950 for an appointment.*

*Directions: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Clubhouse A is the building nearest the street corner.*

### Holiday City Amateur Radio Club

Toms River, New Jersey

Web Site [www.hcarc.us](http://www.hcarc.us)

<b>President</b>	Doug Poray	<a href="#">KC2TZC</a>	732-928-2316
<b>Vice President</b>	Steve Jackson	<a href="#">N2WLH</a>	732-255-7916
<b>Secretary</b>	John Perry	<a href="#">KD2NDY</a>	732-349-2705
<b>Treasurer</b>	Larry Puccio	<a href="#">K2QDY</a>	732-349-2950
<b>Program Chair</b>	Carl Lee	<a href="#">W2PTZ</a>	732-575-7558
<b>W2HC Trustee</b>	Larry Puccio	<a href="#">K2QDY</a>	732-349-2950

Membership is open to all interested persons. Ham license is not required. Dues are \$40.00 per year, payable Jan 1<sup>st</sup>. Members joining during the year will have the dues prorated. Family membership \$50.00 per family.

Meetings are held at 7:00 pm on the first Thursday of every month except December.

Location: Meeting Room #1 in Holiday City South Clubhouse.

Directions: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Turn into the parking lot from Santiago Drive, park near the pool. Enter Building A (the building nearest the street intersection).

Newsletter: The SKYHOOK is the HCARC's official newsletter, circulation about 75. Original articles and photos are appreciated. Editor is John Roberts  
<mailto:johnkq4wr@gmail.com>





## PORTABLE TRANSMITTING

by John Perry, KD2NDY

I have a modified inverted V, center-fed dipole antenna 40 feet in a tree with an open wire feedline connected to a tuner. This antenna has served me well over the years. However, I want the mobility to go outside and make contacts from different locations. For this purpose, I have read several publications written by different authors that have either left me confused or unprepared to go mobile. The publications contradicted each other especially when it came to the number of ground wires needed to complete the set-up. I have tried ground wires in the past and they are not easy to manage when setting up or removing a portable operation.

Discussing this with Steve Jackson, he recommended I review a YouTube presentation titled **Elevated Linked Radials**. I did just that and realized this may be the answer to my setting up a radio in the field.

Supplies needed:

1. 17' telescopic antenna or longer.
2. A tripod, or a small diameter PVC pipe and a guying set up.
3. 40' of wire to make two counterpoises.
4. Alligator clips.
5. Short section of 2" PVC and wire to make a coil for 40 meters.
6. Non-metallic posts (fiber glass, bamboo, etc.)
7. Tube feedline choke (coax line isolator).

The objective is to make two counterpoises of  $\frac{1}{4}$  wave lengths for 20, 17, 15, 12, 10 and 6 meters 4' off the ground. If the two counterpoises were connected to the antenna clamp at a 45-degree angle a directional antenna would be created. This may be helpful when contacting DX, knowing the transmitting location of special events stations or a rag chew with a Ham.

The antenna should be extended 16' 9" in length and so should be the length of each counterpoise. The

### Sussex Amateur Radio Association - APRIL 26, 2025 - Delmarva Amateur Radio & Electronics EXPO

Centrally and conveniently located...within 2 to 3 hours of major cities:  
Baltimore, Philadelphia, Wilmington, Washington DC, and Virginia Beach as well as Eastern PA and Southern NJ

**NO SALES TAX - MORE VALUE FOR VENDORS AND GUESTS - FREE PARKING**  
Bring The Family And Enjoy A Weekend At The Beach!

#### Past Vendors & Exhibitors

ARRL  
Beebe Hospital  
Fisher Cable  
Call Stuff  
Direct Tools  
GnG Electronics  
Satellite Sam  
Hamsource.com  
HRO (Ham Radio Outlet)  
Magnum Electronics  
Quicksilver Radio  
Redicall Communication  
The RF Connection  
Towaco Imaging  
Verizon

#### Events & Attractions

ARRL State Convention  
Tail Gating  
Great Food  
Blood Pressure Testing  
Chinese Auction  
Raffle...Big Prizes!  
License Testing  
Guest Speakers/Forums  
QSL Card Bureau/Card Checking  
Door Prizes!

**Guests Pay \$8 To Enter!**  
(Under 18 FREE!)

**Inside spaces \$15.00 - 1st Table**  
**Tailgaters : \$10.00 - First Space**

For Information  
Contact Jamie, W3UC  
(410) 202-7690  
hamfestdelaware@gmail.com

#### HAMFEST LOCATION:



Cheer Community Center  
20520 Sand Hill Rd.  
Georgetown, DE 19947

#### HOST HOTEL:

Tru Hotel by Hilton  
301 College Park Drive  
Georgetown, DE 19947  
(302) 515-2100  
www.hilton.com

JOIN US IN TAX FREE DELAWARE!

**Gates open at 6:00 A.M.**  
**Expo begins at 8:00 A.M.**

#### Schedule

6:00 AM Gates Open  
7:30 AM Tailgating  
8:00 AM Indoor expo venue opens  
Restaurant available  
12:00 PM FCC testing - No test fee, pre-registration required  
Last test seating at 12:30 PM

#### Speakers Forums

ARRL Update  
Others

**TALK-IN: SARA Repeater**  
147.090 MHz PL 156.7

Schedule subject to change

The Delmarva Amateur Radio Electronics EXPO is sponsored by Sussex Amateur Radio Association



**www.radioelectronicsexpo.com**

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$\frac{1}{4}$  wave lengths used between each frequency were: from the antenna – 4'8" for 6 meters, add 3'8" for 10 meters, add 1'1" for 12 meters, add 1'9" for 15 meters, add 1'9" for 17 meters then add 3'10" for 20 meters. Each  $\frac{1}{4}$  wave-length wire is connected by an alligator clip and an insulator. To isolate a frequency length in the counterpoise, an alligator clip is simply disconnected. As the different frequencies are utilized the antenna length should be adjusted to match the counterpoise wire length.

The coil for 40 meters was made from a piece of 2" diameter PVC pipe with thirteen wraps of wire joined to  $\frac{3}{8}$ " bolts on either end that can then be attached to a connector on the antenna clamp and then to a connector on the antenna.

I have taken several pictures in the hope that it would be easier to show the set-up rather than describing each step.



*Tube feedline choke*



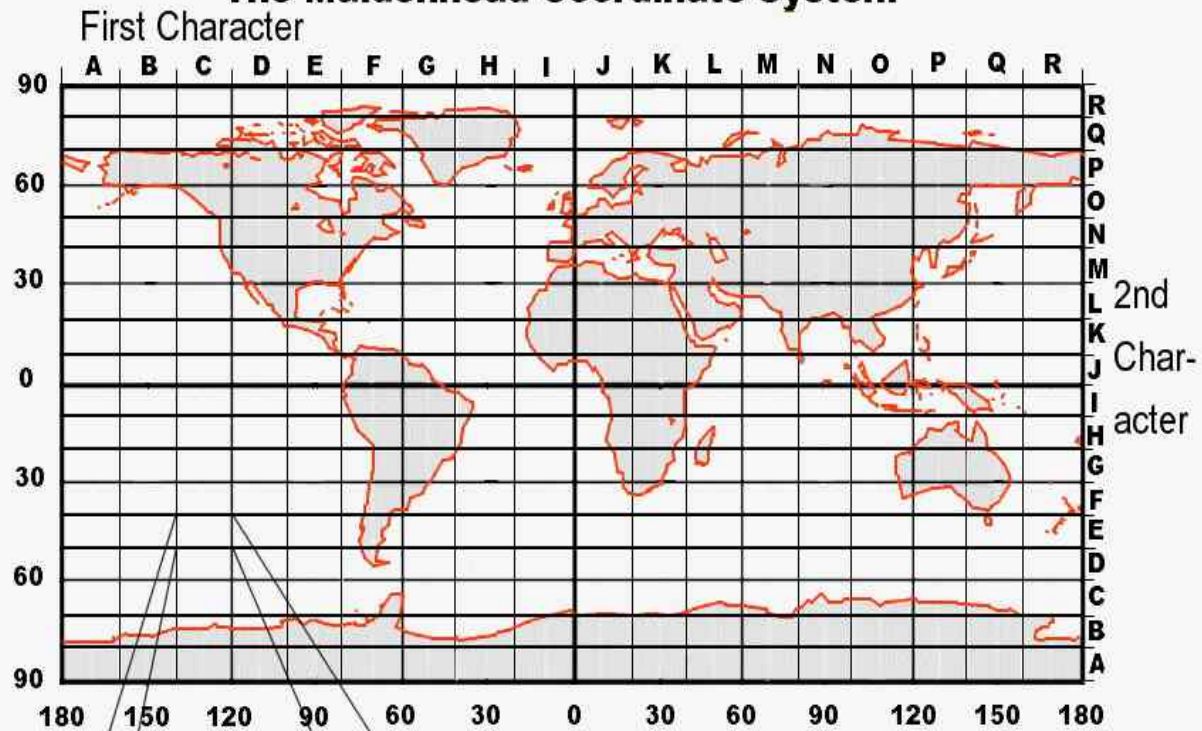
*Connected alligator clamp to counterpoise*



*40-meter coil with antenna clamp, counterpoise connection to clamp and one counterpoise*

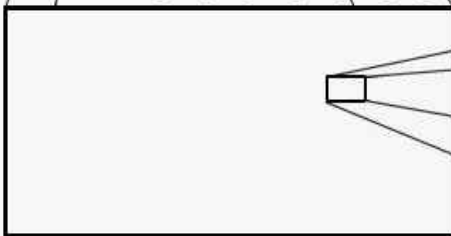


## The Maidenhead Coordinate System



Third Character

0 1 2 3 4 5 6 7 8 9

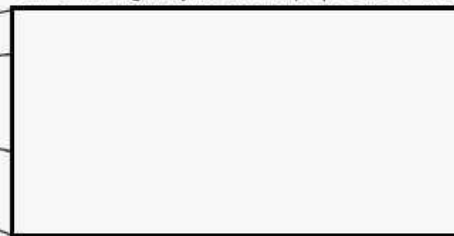


4th

6  
4 Char-  
2 acter  
0

Fifth Character

a b c d e f g h i j k l m n o p q r s t u v w x



x  
s  
o  
j  
f  
a

6th

Char-  
acter

## Some DX Opportunities

Opportunities shown in alphanumeric order of callsigns.

Mode codes: 3 = PSK31, 4 = JP4, 8 = JT8, C = CW, D = "digital", F = FM, O = Olivia, R = RTTY, S = SSB, T = Image (SSTV)

Many thanks to Bill Feidt NG3K for ADX0. Also to Wikipedia, the ARRL, the RSGB, DX World, The Daily DX & QRZ.com.

START	FINISH	ENTITY	PFX	CALLSIGN	IOTA	BANDS	MODES	QSL via	LOC	MILES	DIR	INFO by
2025 Mar24	2025 Apr05	Rodrigues I	3B	3B9DJ	AF-017	160-10m	C S 8	LoTW OK6DJ	MH10rg	9572	ENE	DXW.Net
2025 Mar24	2025 Apr05	Rodrigues I	3DX	3B9DJ	AF-017	160-10m	C S R 8	OQRS	MH10jg	9538	ENE	OPDX
2025 Apr22	2025 May01	Tanzania	5H	5H1KB	AF-032	80-6m		DL2SBY LoTW	KI73pm	7533	E	DXW.Net
2025 Feb02	2025 Apr10	Senegal	6W	6W7/ON4AVT		80-10m	S D	ON4AVT	IK14mi	3860	E	DXW.Net
2025 Mar24	2025 Apr06	Barbados	8P	8P9EI	NA-021	40-10m	C S	G40SY	GK03fd	2055	SSE	OPDX
2025 Apr03	2025 Apr10	Maldives	8Q	8Q7EF	AS-013	40-6m	S 8	IK2DUW LoTW	MJ36mf	8798	NE	OPDX
2025 Mar11	2025 Apr26	Guyana	8R	8R1TM		89-10m	C S D	LoTW	GJ06vs	2938	SSE	DXW.Net
2025 Apr19	2025 May02	Gambia	C5	C5LT		80-10m	C S 8	LoTW	IK13uj	3937	E	DXW.Net
2025 Apr19	2025 May02	Gambia	C5	C5R		80-10m	C S 8	LoTW	IK13pk	3913	E	DXW.Net
2025 Mar29	2025 Apr19	Bahamas	C6A	C6APS	NA-080	40-10m	8 C S	LoTW OQRS	FL16iq	933	SSW	TDDX
2025 Apr25	2025 Apr28	Thailand	E2	E28AM/p	AS-125	40-10m	C S 8	LoTW	OK12jc	8829	N	OPDX
2025 Apr08	2025 Apr12	St Barthelemy	FJ	FJ/K6EI	NA-146	80-10m	C 8 4	LoTW K6EI	FK87nv	1668	SSE	TDDX
2025 Apr08	2025 Apr12	St Barthelemy	FJ	FJ/KK6IK	NA-146	80-10m	C 8 4	LoTW KK6IK	FK87nv	1668	SSE	TDDX
2025 Apr19	2025 Apr21	Marquesas	F0	F0/F4LYI	OC-027	40-10m	S	F4LYI	BI91we	5373	WSW	F4LYI
2025 Apr21	2025 Apr25	Marquesas	F0	F0/F4LYI	OC-027	40-10m	S	F4LYI	CI01fe	5344	WSW	F4LYI
2025 Apr26	2025 Apr30	French Polynesia	F0	F0/F4LYI	OC-067	40-10m	S	F4LYI	BH52bk	6263	WSW	F4LYI
2025 Mar28	2025 Apr06	St Martin	FS	FS/KJ9B	NA-105	20-17m	S 8 4	KJ9B LoTW	FK88ma	1658	SSE	TDDX
2025 Apr18	2025 Apr26	Galapagos	HC8	HD8G	SA-004	160-6m	S C 4 8 R	LoTW	EI49uf	2989	SSW	DXW.Net
2025 Apr02	2025 Apr10	Ogasawara	JD1	JA1YVT/JD1	AS-031	80-2m	C S 8	Auto Buro	QL07mm	8889	NW	DXW.Net
2025 Apr08	2025 Apr17	Ogasawara	JD1	JD1BOI	AS-031	160-6m	C S 8 4	LoTW	QL17cb	7242	NNW	OPDX
2025 Apr08	2025 Apr17	Ogasawara	JD1	JDDBON	AS-031	160-6m	C S 8 4	LoTW	QL17cb	7242	NNW	OPDX
2025 Mar30	2025 Apr06	Honduras	HR	K6VHF/HR9	NA-057	80-6m	S C R 8	LoTW K6VHF	EK66rh	1792	SSW	OPDX
2025 Apr17	2025 Apr27	Bonaire	PJ4	PJ4CB	SA-006	20-10m	C S	LoTW	FK52ne	1945	S	OPDX
2025 Mar09	2025 Apr05	Sint Maarten	PJ7	PJ7AA	NA-105	40-6m	C 8 4	LoTW	FK88ka	1654	SSE	TDDX
2025 Mar26	2025 Apr05	Sint Maarten	PJ7	PJ7EE	NA-105	12-6m		LoTW KC9EE	FK88lb	2848	SSE	DXW.Net
2025 Mar28	2025 Apr06	Sint Maarten	PJ7	PJ7KB	NA-105	20-17m	S 8 4	KJ9B LoTW	FK88la	1656	SSE	TDDX
2025 Apr18	2025 Apr20	EAST KIRIBATI	T32	T32AZ	OC-024	40-10m		KH6QJ	BJ11hu	5769	W	TDDX
2025 Apr11	2025 Apr13	Palau	T8	T88PB	AS-007	80-10m	C D	JA0JHQ	PM95cv	6800	NNW	DXW.Net
2025 Jan10	2025 Oct16	Palau	T8	T88SM	OC-109	160-6m	C S D	JA6EGL	PJ77fi	8684	NW	OPDX
2025 Apr16	2025 Apr23	Palau	T8	T88UW	OC-009	80-10m	8 c s	LoTW	PJ77fi	8684	NW	OPDX
2025 Jan10	2025 Oct16	Palau	T8	T88XK	OC-109	160-6m	C S D	JE6KFN	PJ77gl	8674	NW	OPDX
2025 Mar24	2025 Apr04	St Barthelemy	FJ	T01P	NA-146	80-10m	S 8 R	OQRS	FK87nw	1666	SSE	SP9FIH
2025 Mar24	2025 Apr07	Guadeloupe	F6	T01Q	NA-102	80-6m	S D	F1ULQ LoTW	FK96hg	1809	SSE	DXW.Net
2025 Apr09	2025 Apr15	French Polynesia	TX7	TX7XG	OC-066	40-6m		LoTW	DK50jh	2960	SW	TDDX
2025 Apr25	2025 May07	AUSTRAL IS	TX9A	TX9A	OC-152	80-10m		DK8ZZ	BG56fp	6515	WSW	DXW.Net
2025 Mar18	2025 Apr01	MICRONESIA	V6	V6WG	OC-059	80-6m	8 4 s c	LoTW	RJ15mi	7639	WNW	TDDX
2025 Apr10	2025 Apr27	Br Virgin Is	VP2V	VP2VI	NA-023	80-6m		LoTW	FK78ur	1581	SSE	DXW.Net
2025 Mar03	2025 Apr01	Turks & Caicos	VP5	VP5/W1DED	NA-002	80-10m	S	VP5E LoTW	FL31vs	1261	S	OPDX
2025 Mar25	2025 Apr02	Antigua & Barbuda	V2	V26K	NA-100	80-6m	C S 8 4	LoTW OQRS	FK97bc	1743	SSE	AA3B
2025 Mar24	2025 Apr03	Vanuatu	YJ	YJ0CA	OC-035	40-10m	S	VK2YUS	RH42eg	8430	W	425DXN
2025 Apr06	2025 Apr11	Cyprus SBA	ZC	ZC4RH	AO-004	40-6m	C S 8 4	LoTW DK6SP	KM64lo	5506	NE	TDDX

# April

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 ARES A nets	3 HCARC MEETING 7:00 PM	4	5 VA & MS QSO Parties
6 MO Party; Others Continue	7	8	9 HCARC Buffet Luncheon; VE; B Nets	10	11 <i>Passover begins</i>	12 NM, ND & GA Parties
13 GA Party continues	14	15	16 ARES Live Meeting 7pm	17	18 Good Friday	19 Nebraska QSP Party
20 EASTER	21	22	23 HCARC Board Noon Lunch ARES B nets	24	25	26
27	28	29	30 ARES A nets			
					Updated on	3/15/2025

## QSO Parties

Louisiana:

[http://laqp.louisianacontestclub.org/laqso\\_rules.htm](http://laqp.louisianacontestclub.org/laqso_rules.htm)

Mississippi:

<https://arrlmiss.org/>

Missouri:

<http://w0mo.org/index.php/missouri-qso-party>

Georgia:

<https://gaqsoparty.com/>

North Dakota:

<https://ndarrlsection.com/>

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## Thank You All

Many thanks to:

Doug Poray KC2TZC, Larry Puccio K2QDY, Bob Murdock WX2NJ, John Perry KD2NDY, Bill Feidt NG3K, Bruce Horn WA7BNM (for Contest Calendar), QRZ.com, and the ARRL.