

"DRUMLINS RUMBLINS" - JANUARY 2025



WE'RE meeting at the WAYNE COUNTY SECOND FLOOR EOC ROOM
Wayne County Public Services Building 7227 Rte 31 Lyons NY 14489

WEDNESDAY JANUARY 15th MEETING START 7:30PM

REMEMBER: The front door and the EMO entrance will be unlocked from 6:30-7:30pm.
So arrive in this time period for an easy entry.



*****YOU HAVE A LITTLE LEEWAY TO GET IN UNTIL 7:55PM!



->->->->WINTER TIME !!!!!!!!!!!!!!!

BAD WEATHER! WATCH THE CLUB EMAIL FOR MEETING CANCELLATIONS!!!!!!

I have at least all the Pumpkin Patrol DARC members' cell numbers in my cell directory. That would be a good 95% of DARC members. If for some reason you can't get to an email device you may text me on my **cell number** (315-871-8767), beforehand. I will get on the 685 (The leaves are gone.), and 745 **repeaters** for **announcements** at least on the half hours, too. There is nothing important enough for a DARC meeting for any members to go out in nasty WX.

During times of bad weather and driving conditions, keep an ear on the local repeaters in the area. Who knows there may be a ham needing help. <<<<<<<<<

PRESIDENT'S KORNER

Welcome our newest member to DARC, **Eric W2EEH!** After a little bending of Eric's arm, Eric became a Life Member of DARC at our December meeting. Eric has checked in many times into the Sunday WARECS net. In fact with the WARECS now back using the 146.685 WA2EMO repeater, Eric is getting into the net much much better. The WA2AAZ 146.745 repeater was a challenge. I kept on telling Eric to put an X on the floor where WA2AAZ "talks" the best. Hi hi. If you haven't had a chance to meet Eric yet, have an eyeball QSO when you do. Like many members, Eric said he can't make every meeting and that is okay. All members are welcome to a club meeting when you are able. In this "long winter's night," it is tricky with the WX (Morse code for "weather.") Please, take notice of our WX announcement if "mother nature" gets the roads a little iffy.

With this first 2025 year meeting this January, the new slate of DARC Board of Directors (DOD), members are in place and ready to go. If they look like the same bunch, you are very right. Your eyesight is still good. Hi hi. (The XYL did give me haircut just a day before my typing the January newsletter. Most likely you won't even notice. Hi hi.) We are looking for a new DARC Secretary which the position is not filled yet. If anyone at a meeting would like to volunteer at a meeting to take notes, it would be appreciated.

We had 14 members out for the **3rd Annual Holiday Pizza Party** to end the 2024 year. It was a good gab and eating session after the 50/50 and the prizes were handed out. I know Al K2MPE and Ed N0Ek won prizes but unfortunately it is too late for my memory at this time to tell you what. (Yea, I should have done better.) The excitement got me distracted as I won the new Chinese HT outfit. "Dodo Tech Dave" gave the HT to Jay KC2TCM to program for the January meeting. Yes, I should be better at the tech but that is why being a club member is important for those who need help. I have stated before many times, it is the wealth of knowledge of all **club's expertise** of all our club members that makes things work.

It looks like the WX will be good for the meeting. Hope to see you there.



2025 MEMEBERSHIP REMINDER

Hi, It's that time of year again. **Dues are do**. \$10 can be paid on the website. Thanks, Harold W2HJC (**TNX, Harold**). We tend to forget about these smalls things. That's what the XYL says to me all the time.)



RACES-ARES JANUARY 2025



WARECS net is back on the WA2EMO repeater (146.685 t-71.9), on Sunday evenings 2035L (Local time), the alternate frequency is the WA2AAZ repeater (146.745 t-71.9). So far both my antennas sounds good with the leaves off the trees. I keep my fingers crossed every Sunday evening, Hi hi.

Seeing it is 2025, welcome back to a new year of helping Wayne County and helping our SIARC friends in Ontario County for ARES and RACES. Plus, we help out our Monroe County club friends, too.

Let us not forget our RACES and ARES members who. I am quite sure, are helping the EOC, EMO, fire, etc., in the "fire storms" ragging 6-Land! I look at the news clips and it reminds me of fire storms of Dresden and Tokyo in WW2, although man make completely, that mother nature depends to be the biggest area out RACES is called out for. NY State, as any location is idyllic, Mother Nature is sure kinder to us. It is a reminder to all us hams, keep your equipment ready if needed for whatever could come. Living in an apartment is much harder to do this, I admit but I do my best. Of course I always am saying checking into the Sunday night RACES nets even once in awhile keep your noodles thinking about proper SOP in basic net protocol. Voice messages are still and will always be the fallback for any communications in the ham world. Fldigi, Winlink, etc., have their uses naturally and should be trained for but the voice ARRL message form is and will be the fallback when all else fails. (Just as CW is the fallback for failing SSB communications.)

Keeping with cooperation with our SIARC friends, remember, the **Ontario County RACES** net is Sunday nights at 2000L on the W2ONT 145.450 (t-110.9), repeater. All hams are welcome. You need not even be a member if SIARC or DARC or any ham club.

That is enough gabbing for this month. On our WARECS nets Sunday evening, before a regular message starts, the SOP calls first is there any emergency or priority traffic. For a few seconds there is silence and the SOP is continued for the net. I quite often comment, we should be thankful for that silence. I am.

NO ONTARIO COUNTY AND WARECS NET "SUPER BOWL" WEEKEND!

**Eligible Members
65+ Get \$50**

**Instantly find out if
your current health
plan can pay you for
ARRL activities.**

Grouper

A photograph of a man with glasses and a plaid shirt sitting at a desk, working on a project. He is looking down at his work. The desk has various tools and components on it. A lamp is visible in the background.

GROUPER HAS PARTNERED WITH ARRL® THE NATIONAL ASSOCIATION FOR AMATEUR RADIO® TO SUPPORT YOUR PASSION FOR AMATEUR RADIO!

Here's how our partnerships with Grouper works:

- If you have a Medicare Advantage or Medicare Supplement plan that includes the RenewActive or OnePass program, you qualify;
- **You receive a \$50 check from Grouper;**
- **You receive \$20 wellness payments from Grouper** every 3 months just for staying active.

ARRL Announces Partnership with Grouper

09/19/2024

"This partnership allows us to connect more people who share a passion for amateur radio..."

NEWINGTON, CT – ARRL® The National Association for Amateur Radio® is pleased to announce a partnership with Grouper, the national leader in activity benefit administration. The collaboration between ARRL and Grouper aims to enhance the health of ARRL members by providing access to benefits that support staying active and engaged.

[READ PRESS RELEASE \(PDF\)](#)

Guided by its mission of encouraging healthy living through meaningful social connections, Grouper connects its members to benefits that cover costs associated with group activities. By joining Grouper and staying connected through amateur radio, ARRL members who are 65+ and have participating Medicare Advantage or Medicare Supplement plans can unlock the activity benefit offered by these plans and receive a check in the mail to support their membership dues.

"Grouper is thrilled to help support ARRL members by offering access to an activity benefit that encourages social connection," said Doug Weners, Grouper's Chief Executive Officer. "This partnership is a natural fit because both organizations understand that social connection builds relationships, encourages involvement, and enhances our communities."

Grouper supports ARRL members who are eligible for the activity benefit by helping to offset membership dues and the participation costs associated with their amateur radio activities. Members are then encouraged to remain active so they can receive ongoing activity benefits.

"ARRL is excited to partner with Grouper to expand opportunities for connection and learning within our community," said ARRL Membership Manager Marc Spardello, W1NJ. "This partnership allows us to connect more people who share a passion for amateur radio through ARRL membership and ARRL Affiliated Clubs. We'll also reach other Grouper members, inviting them to explore radio communications through ARRL and our engaged community of members."

[**Check this out.** I just found the Medicare changes for 2025 makes it possible for my XYL and me able to qualify for free use of our Palmyra Community Center facility. In the past we had to each pay a monthly fee.]





What is WFD?



Winter Field Day is an exciting annual event for amateur radio enthusiasts, taking place on the last full weekend of January. It offers a unique opportunity for radio operators to set up field operations in remote locations, enabling them to connect with other participants worldwide. You may choose to participate solo or get your your friends, family, or whole dub involved. Winter Field Day is organized by the Winter Field Day Association. The association strongly believes that ham radio operators should practice portable emergency communications in winter environments. This is because freezing temperatures, snow, ice, and other hazards pose unique operational concerns.

The Winter Field Day event aims to help participants improve their preparedness for disasters and enhance their operational abilities in adverse conditions. **Amateur radio operators have the freedom to use frequencies on the HF, VHF, or UHF bands while employing voice, CW, and digital transmissions.** The event designates specific objectives to encourage a diverse range of activities, including the use of non-commercial power sources, the deployment of multiple antennas, establishing satellite contacts, and more. Click [here](#) to read more about the history and purpose of winter field day.

In **June of 2006**, Charles, N5PVL, asked if SPAR (The Society for the Preservation of Amateur Radio) would be interested in sponsoring a Winter Field Day activity. Discussions, proposed rules, and modifications followed, and in September, SPAR's Board of Directors voted to approve sponsoring a Winter Field Day. Next came a flurry of activities to get the

word out, and the first Winter Field Day was held just four months later, on January 13-14, 2007. Based on comments from participants, Winter Field Day would soon become an annual event.



WFD INVITE KB2NCI



10:00am

setup time

Many of our DARC members are also SIARC members as well. On this past Sunday's evenings Ontario County RACES net, threw out and **invite for a WPA day** at Tom's QTH- **6310 Gillis Rd, Victor NY 14564**. We do a lot of ARES and RACES cooperation and Field Day many years with our SIARC friends. At Tom's QTH, Tom uses his garage as a comfy site by putting the garage door down once antennas are up and the garage is heated to make WPA a pleasant QSO time. (You'd think we are all that hard winters campers? My Boy Scout days of winter camping are long gone. Hi hi. I had 7 winter campout patches on my Scout uniform. Hi hi.) Any of us DARC members who would like to see what goes on, drop in for awhile. I've done a little CW but the QSOs are mainly SSB.

You remember my Dick Corp W2WC, the Army MARS CW geek, I have mentioned many times in our newsletter and at our DARC meetings. Dick is no wimp for the winter QSOs, believe me.



W2WC with grandson Willie



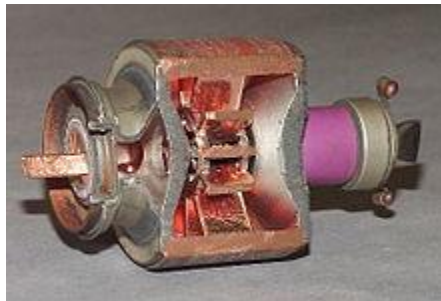
Prospect Mountain, NY Park k-2001 Elevation 1,964 feet only access by snowmobile

Oh yes, I am a big wimp these days! Dick is a better man than I. Serious about CW? He lives for CW! I kid you not. Dick is very fortunate to have his grandson Willie tag along. Waiting in the van for the XYL shopping in this weather is enough winter for me. I have the right gear to keep me warm. Walking on snow, I might as well be walking on water. My rollater's wheels don't like the snow either. Hi hi.



STILL GOING STRONG!!!. Kudos, Tom! Get acquainted with some of our SIARC friends and the surrounding counties. **Thank you, Tom, for being so patient and sacrificing your time.**

Tom's SIARC health and welfare net is open to all hams that can hit the **146.820 repeater (tone 110.9)**, either mobile or from your QTH. Just listen to Tom's or the NCS's instructions always given first as the net starts like we all know as hams and used to a SOP. So listen for the SOP at the beginning of the net. Only the third Wednesday of the month, the SIARC meeting night, is there no net.



DARC PROGRAM:

on the "magnetron." You know I am the ham op and not a tech guy. You non-tech people like me this was a surprise and the modern use of this invention. So, I told Jay KC2TCM (Who has been checking into the Ontario County RACES now. "FB" Jay.), there has to be others at the meeting as non-tech. Hi hi.



Jingle Bells played on a Teletype Corp. Model 19

2,345 views • 3 years ago

Jingle Bells played on a military AN/FGC-8 (Teletype Corp. Model 19) teletypewriter, circa 1945. Composition from "RTTY Journal", c1967.

If you enjoyed this video, consider becoming a member of the Antique Wireless Association at:

<https://antiquewireless.org/homepage/.....>

READ MORE

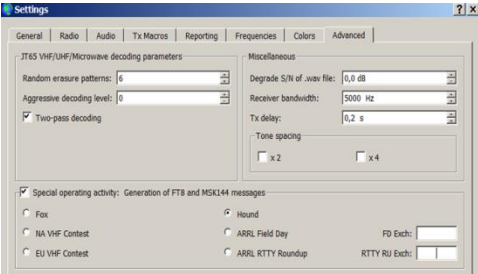
I thank Jay for getting this YouTube ready for the meeting Wednesday. Also, Jay downloaded a cute little ditty which I missed for the December meeting. (I am sure Duncan K2OEQ a DARC member had his knowledge into this.)

N2MKT ON FT8

Dave asked me to show some of the contacts I've made recently due to the wonderful openings we have been having. If you are not taking advantage of these openings, you are missing out on the best of Ham radio has to offer in DXing. This will be only around for another year or so....So take advantage of it. It does not take much equipment to make some of these contacts. FT8/FT4 is amazing digital mode that really opens up the possibilities to those who don't have area for a huge antenna.. Now understand I am using a IC7300, tribander at 30ft with 300-500 watts. I only use the power when I really want a rare DX. Most contacts I use 60 watts or less.

Be radioactive and work some DX!!!! Its fun.. Like I just worked Christmas Island, and I had look up exactly where that was located!!

Rare DX usually use Fox/Hound mode on FT8 which is when the rare DX is @ a lower frequency like 400hz and the Hounds shift TX freq- this allows the FOX (rare DX) can give multiple acknowledgments at the same time ...<https://www.onallbands.com/ft8-fox-and-hound-mode/>

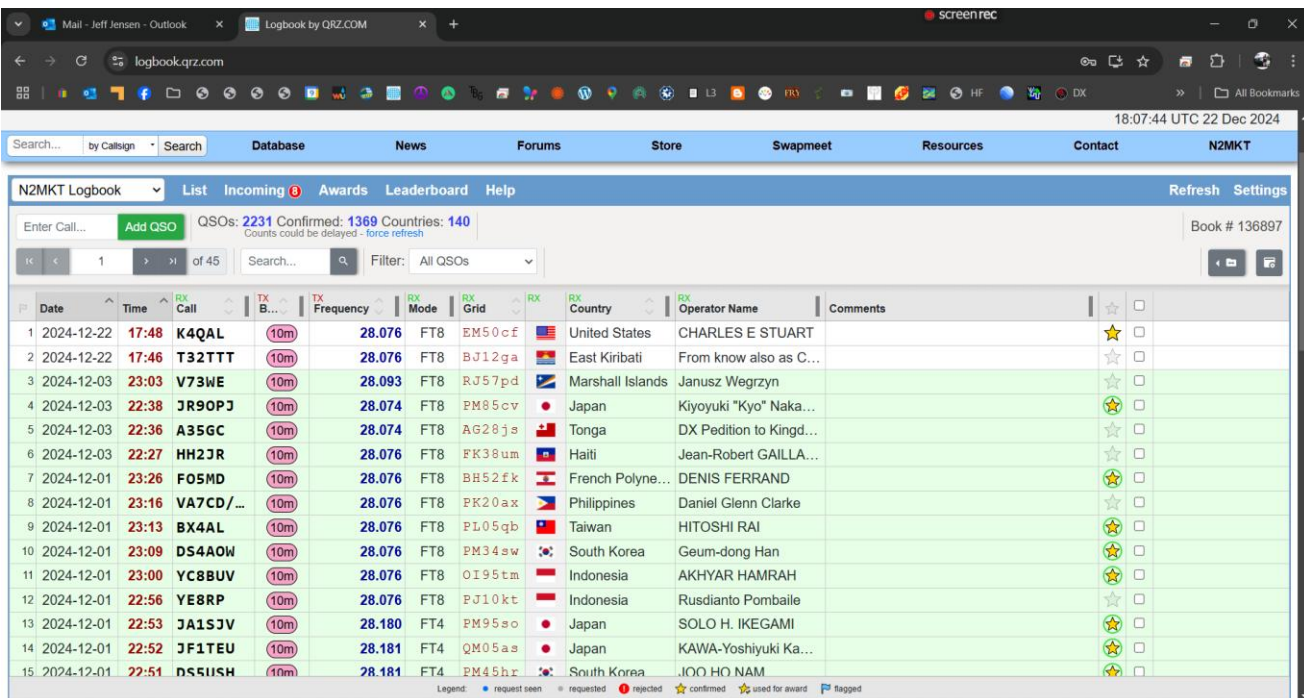


FT8: Fox and Hound Mode - OnAllBands

Fox and Hound mode, often shown as Fox/Hound or F/H, is also known as the DXpedition mode. This mode is a special operating feature that enables DXpeditions to make FT8 [...]

www.onallbands.com

10M LOG



#	Date	Time	RX Call	TX B...	TX Frequency	RX Mode	RX Grid	RX Country	RX Operator Name	Comments
1	2024-12-22	17:48	K4QAL	(10m)	28.076	FT8	EM50cf	United States	CHARLES E STUART	
2	2024-12-22	17:46	T32TTT	(10m)	28.076	FT8	BJ12ga	East Kiribati	From know also as C...	
3	2024-12-03	23:03	V73WE	(10m)	28.093	FT8	RJ57pd	Marshall Islands	Janusz Wegrzyn	
4	2024-12-03	22:38	JR9OPJ	(10m)	28.074	FT8	PM85cv	Japan	Kiyoyuki "Kyo" Naka...	
5	2024-12-03	22:36	A35GC	(10m)	28.074	FT8	AG28js	Tonga	DX Pedition to Kingd...	
6	2024-12-03	22:27	HH2JR	(10m)	28.076	FT8	EK38um	Haiti	Jean-Robert GAILLA...	
7	2024-12-01	23:26	F05MD	(10m)	28.076	FT8	BH52fk	French Polyne...	DENIS FERRAND	
8	2024-12-01	23:16	VA7CD/...	(10m)	28.076	FT8	EK20ax	Philippines	Daniel Glenn Clarke	
9	2024-12-01	23:13	BX4AL	(10m)	28.076	FT8	PL05qb	Taiwan	HITOSHI RAI	
10	2024-12-01	23:09	DS4AOW	(10m)	28.076	FT8	PM34sw	South Korea	Geum-dong Han	
11	2024-12-01	23:00	YC8BUV	(10m)	28.076	FT8	OI95tm	Indonesia	AKHYAR HAMRAH	
12	2024-12-01	22:56	YE8RP	(10m)	28.076	FT8	PJ10kt	Indonesia	Rusdianto Pombaile	
13	2024-12-01	22:53	JA1SJV	(10m)	28.180	FT4	PM95so	Japan	SOLO H. IKEGAMI	
14	2024-12-01	22:52	JF1TEU	(10m)	28.181	FT4	QM05as	Japan	KAWA-Yoshiyuki Ka...	
15	2024-12-01	22:51	DS5USH	(10m)	28.181	FT4	PM45hr	South Korea	.IOO HO NAM	

6M LOG EUROPE OPENING

Sl. No.	Date	Time	Call Sign	Mode	Power	Band	Country	Operator	Status	Award
17	2024-12-01	18:45	VE4ZIM	10m	28.075	FT8	Canada	Kevin Zimmerman	confirmed	☆
18	2024-12-01	18:27	V26K	10m	28.181	FT4	Antigua and B...	JOSEPH TRENCH	confirmed	☆
19	2024-11-02	17:07	GDØTEP	6m	50.315	FT8	Isle of Man	Andy Kissack	confirmed	☆
20	2024-11-02	17:01	GM8IEM	6m	50.315	FT8	Scotland	Martin Hall	confirmed	☆
21	2024-11-02	15:29	LX1TI	6m	50.314	FT8	Luxembourg	CARLO TREZZI	confirmed	☆
22	2024-11-02	15:21	MIØIHH	6m	50.314	FT8	Northern Ireland	Colin Ashe	confirmed	☆
23	2024-11-02	15:18	GM4FVM	6m	50.314	FT8	Scotland	Jim Edgar	confirmed	☆
24	2024-11-02	15:16	ON6AB	6m	50.319	FT4	Belgium	Bruno Beckers	confirmed	☆
25	2024-11-02	15:14	OE5OLL	6m	50.319	FT4	Austria	LUDWIG OBERAUER	confirmed	☆
26	2024-11-02	15:13	PC7M	6m	50.319	FT4	Netherlands	Arie Baltes	confirmed	☆
27	2024-11-02	15:02	PA3EAQ	6m	50.315	FT8	Netherlands	JILLE VERMEULEN	confirmed	☆
28	2024-11-02	14:57	GW4NOO	6m	50.315	FT8	Wales	MICHAEL E OLIVER	confirmed	☆
29	2024-11-02	14:47	EA1U	6m	50.313	FT8	Spain	JOSEBA ANDONI AL...	confirmed	☆
30	2024-11-02	14:36	CT1APN	6m	50.315	FT8	Portugal	ANTONIO FAUSTINO	confirmed	☆
31	2024-11-02	14:30	MØBPQ	6m	50.320	FT4	England	STEVE BUNTING	confirmed	☆
32	2024-11-02	14:28	F6HRP	6m	50.320	FT4	France	Alain PULLANDRE	confirmed	☆
33	2024-11-02	14:22	EA1EAU	6m	50.314	FT8	Spain	AGUSTIN GARCIA R...	confirmed	☆
34	2024-11-02	14:18	HB9MFL	6m	50.315	FT8	Switzerland	Armin Rösch	confirmed	☆
35	2024-11-02	14:15	ON4AOI	6m	50.314	FT8	Belgium	GUY DEWALHENS	confirmed	☆
36	2024-11-02	14:08	DL1SMA	6m	50.314	FT8	Germany	Martin Schmid	confirmed	☆
37	2024-11-02	14:06	F6HRP	6m	50.314	FT8	France	Alain PULLANDRE	confirmed	☆
38	2024-11-02	14:02	EI3KD	6m	50.314	FT8	Ireland	Mark Turner	confirmed	☆
39	2024-11-02	14:00	IZ1GLT	6m	50.314	FT8	Italy	BRUNO BALSAMO	confirmed	☆

TNX, Jeff! The Icom-7300 in our EOC shack is set up for the FT8 by Jeff. Jeff has helped me numerous times showing me what the 7300 can do and what the settings should be. I am thankful for his patience with me. Jeff does this and that, hitting this button and this menu like most of these “kids” (Sorry, Jeff, I am at least a generation older than you. Maybe more? Hi hi), on their cell phones. Jeff is like that with the 7300. One nice thing about the 7300, you can save the setting on a SD card, which Jeff has done for FT8. I’ll try to get to the meeting early so I can get the 7300 going on FT8 for those interested to look at. The digital modes are received very well at my QTH with my very compromised antenna farm. Hi hi. My CW geek Dick Corp even plays with all the digital modes. I have made a few confirmed QSOs with the FT8.



Hi Dave,

Here is a summary of the contacts made on **SKYWARN Recognition Day**

07 Dec 2024 Pearl Harbor Remembrance Day

The last time that **SRD** occurred in conjunction with Pearl Harbor Remembrance was 07 Dec 2013.

Feel free to delete whatever is not needed, wanted or necessary. Might be (probably) too much information....

73,

Lloyd

KB2FSB

Hours of operation on 07 Dec 2024

All active on 40 meters

Hours of Operation 1100-1600

Total number of stations contacted = 60

Total number of states = 15

Number of countries = 1 (Canada)

Total number of Skywarn / Canwarn stations contacted = 30

Total number of Non Skywarn Stations contacted = 23

Special Event Station NJ2BB Battleship New Jersey Dec 7 Remembrance

Total number of National Weather stations contacted = 7

Skywarn States

Non Skywarn States

WV = 1

NJ = 2

PA = 3

PA = 2

MA = 1

MA = 1

VA = 4

VA = 2

OH = 3

OH = 3

WI = 1

NH = 3

NH = 1

NY = 5

NY = 5

MD = 2

MD = 1

MI = 1

NC = 1

TN = 1

MI = 2

NJ = 1 CW Station

ME = 2

CT = 2

Total = 23

Ott-Canada CanWarn =2

Ont-Canada CanWarn = 1

Total = 30



TNX, Lloyd! Lloyd is a faithful ANCS on the WARECS net, too. He has been kind to send me the NY State RACES message from the Sunday morning NYS RACES net at 0900L. For those of you interested in NY State RACES here are two of the better links:

<https://www.dhSES.ny.gov/radio-amateur-civil-emergency-service-races>

<https://groups.io/g/NYSRACES>

When I had a home QTH, I was quite active as NCS and ANCS. Unfortunately, the apartment QTH as yet makes the Sunday hard even with timing as well. I listen and check in when possible. As the Wayne County EC/RO, I encourage participation in anything RACES and ARES.

JEFF and LLOYD's having fun with ham radio, shows we do have members that are "on the air" and easy examples of DARC members who I know are doing things. Please, submit a picture, a little written ditty, screenshots, etc., for our newsletter. Articles you find interesting. (KA1CNF just emailed me a cool article which I'll get into a newsletter eventually. **TNX, Steve.**)



Win a Dream Station with the latest gear from Icom.

Members who join — or renew — their ARRL membership any time from January 3 through December 31, 2025, are automatically entered into the ARRL Sweepstakes and could win a dream station from Icom. Not an ARRL member? [Join today!](#) Already a member or Life Member? There are even more ways to automatically earn entries. [See how!](#)



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3 Ways to Enter*

[JOIN OR RENEW](#) [SET UP AUTO-RENEW](#) [DONATE TO DIAMOND CLUB](#)

Members automatically earn sweepstakes entries when you...

- [Join or Renew](#) — earn 1 entry,
- [Set Up Auto-Renewal](#) — earn 2 entries (see [Auto-Renewal instructions](#) PDF)
- [Donate to the ARRL Diamond Club](#) — earn 1 entry for every \$50 donated.

Earn your entries any time from January 3 through December 31, 2025. Limit of 6 entries per person.

* No Purchase Necessary. See [Official Rules](#).

[EDITOR NOTE: You never know what could happen. Looks better than a billion dollar lottery.]

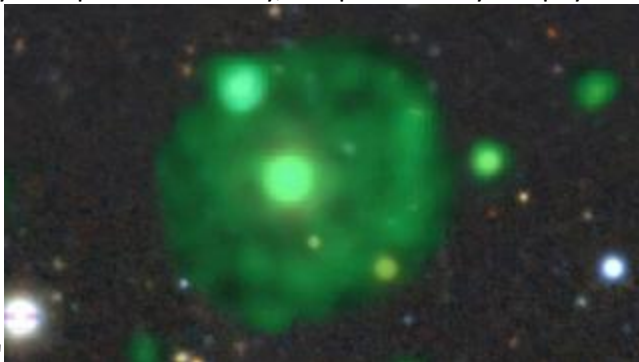


"It's not a good sign when Baby New Year shows up with a full load in his diaper!"



ORCs in space! Astronomers find another vast odd radio circle in 'completely unexpected discovery' [News](#) By [Robert Lea](#)

"It's a completely unexpected discovery, not predicted by the physics we already know, and therefore revealing a gap in



our knowledge."

A composite image of the newly discovered Odd Radio Circle (ORC) J0219-0505 (Image credit: Ray Norris., et al/arXiv (2024))

Astronomers have discovered another mysterious and massive circle of radio light in space. The strange and vast circle of light is an example of an ORC (Odd Radio Circle), the origins of which are currently unknown.

[ORCS](#), first discovered in 2019, are so vast they can be 10 times the width of [the Milky Way](#), thus encompassing entire galaxies.

The newly found ORC, designated ORC J0219–0505, was discovered in data from the MIGHTEE survey conducted by the [MeerKAT radio telescope](#) located in the Meerkat National Park in the Northern Cape of South Africa. The 371,600 light-year-wide ORC seems to be associated with the [elliptical galaxy](#) WISEA J021912.43–050501.8. It has features that seem to set it apart from other ORCs, including the fact that it appears fainter and that details of its structure reveal it leans to one side.

"Odd Radio Circles: Circles of radio emission found around distant galaxies that we still don't understand," lead researcher and Western Sydney University astronomer Ray Norris told Space.com. "It's a completely unexpected discovery, not predicted by the physics we already know, and therefore revealing a gap in our knowledge.

"So we hope these will tell us something new about how [galaxies form and interact](#)."

As mentioned above, ORC J0219–0505 seems to differ from other previously discovered ORCs, which has at least answered one question about this strange astronomical phenomenon.

"All the ORCS we had previously discovered were very similar. We weren't sure whether this was because all ORCS really are similar or whether it was a selection bias in our detection methods," Norris said. "This new ORC tells us it was indeed a selection effect."

The astronomer added that the faintness of this ORC is consistent with ORCS coming in a range of sizes and brightnesses. He compares this to the variations seen in [radio galaxies](#), which have giant radio emission regions that extend well beyond their visible structure. [Editorial note: Anyone see a good YouTube that could dummy this down to my right brain level, it would appreciated. Hi hi]

Same Location

Contact person: Rich Hamill KC2TJN
(315) 986-8589

Palmyra VFW Post 6778
4306 Route 31, Palmyra, NY
3 miles east of Palmyra
5 miles west of Newark

38th ANNUAL DRUMLINS HAMFEST

TALK-IN
146.745
PL 71.9

NEW DATE

APRIL 19, 2025

Vendors 7am
Public 8am Till 1pm

WEBPAGE
Drumlinsarc.us

For Tables
Rich Hamill, KC2TJN
(315)-986-8589
Email:
Hamfest@drumlinsarc.us

Electronics – AMATEUR RADIO GEAR – Computers

Breakfast – GRAND PRIZE – Door Prizes
Admission \$5.00
Indoor Tables (6 ft.) \$5.00
Outdoor Tailgaters FREE

We're looking forward to the April Hamfest this year!

<http://drumlinsarc.us/hamfest-info/>

PUT THE HAMFEST DATE(S) ON YOUR CALENDARS AND FOR THE FRIDAY
SETUP AS WELL! PLEASE!



'Missing' blob of water predicted to be in the Atlantic finally found

[News](#) By [Ben Turner](#) published November 28, 2023

The newly discovered water mass, called the Atlantic Equatorial Water, stretches from Brazil to West Africa.



The planet's vast oceans are a key trait that make Earth unique. (Image credit: NOAA/Historic NWS Collection)

Scientists have discovered a previously undetected water mass in the middle of the Atlantic Ocean: a gigantic body of water stretching across the Atlantic from the tip of Brazil to the Gulf of Guinea, near West Africa.

The water mass, named the Atlantic Equatorial Water, forms along [Earth's](#) equator as ocean currents mix separate bodies of water to the north and south.

Until the Atlantic Equatorial Water's discovery, scientists had spotted waters mixing along the equator in the Pacific and Indian oceans, but never in the Atlantic. The researchers published their findings Oct. 28 in the journal [Geophysical Research Letters](#).

Related: [NASA's SWOT satellite maps nearly of all Earth's water \(video\)](#)

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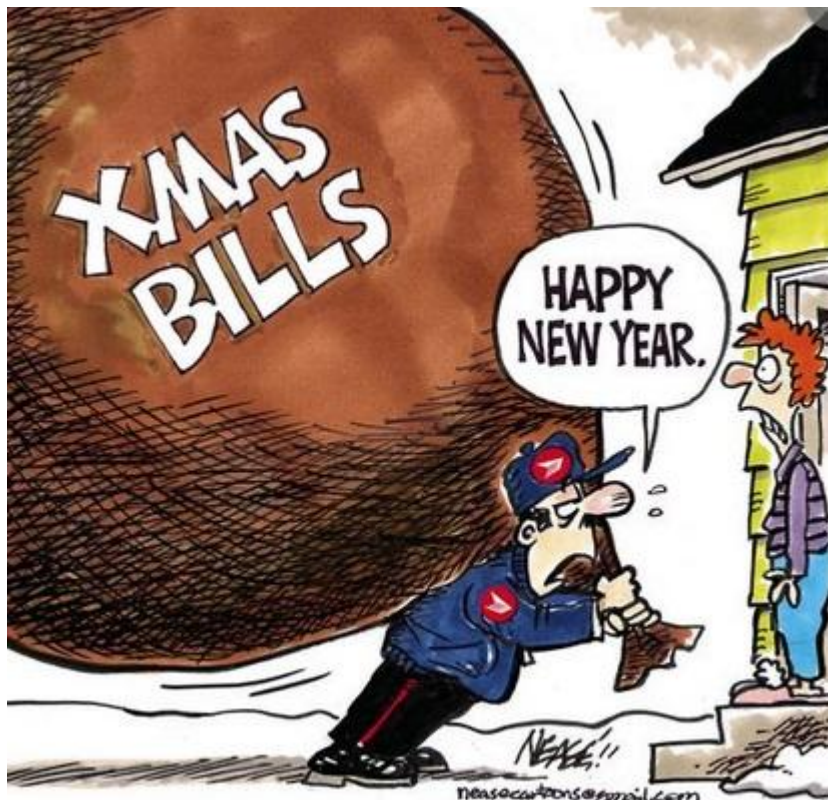
(Click on the purple lettering black background to a link.)

"It seemed controversial that the equatorial water mass is present in the Pacific and Indian oceans but missing in the Atlantic Ocean because the equatorial circulation and mixing in all three oceans have common features," [Viktor Zhurbas](#), a physicist and oceanologist at The Shirshov Institute of Oceanology in Moscow, told Live Science in an email. "The identified new water mass has allowed us to complete (or at least more accurately describe) the phenomenological pattern of basic water masses of the World Ocean."

Far from being the same everywhere, ocean water is a vast patchwork of interconnected masses and layers, mixed together and split apart again by currents, eddies, and changes to temperature and salinity.

Water masses are the distinct parts of this motley arrangement; each body of water has a shared geography, formation history and common physical properties, such as density and dissolved isotopes of oxygen, nitrate and phosphate.

[Editors note: Another "right brain" what the heck is going on?]



After accident crash on Mars, NASA's Ingenuity helicopter could live on as a weather station for 20 years

By [Brett Tingley](#)

"She still has one final gift for us, which is that she's now going to continue on as a weather station of sorts."



NASA's Ingenuity Mars Helicopter, right, stands near the apex of a sand ripple in an image taken by the Perseverance rover on Feb. 24, 2024, about five weeks after the rotorcraft's final flight. (Image credit: NASA/JPL-Caltech/LANL/CNES/CNRS)

Ingenuity may be down, but it's not out.

Scientists at NASA's Jet Propulsion Laboratory (JPL) gave an update on the downed [Ingenuity Mars helicopter](#) on Wednesday (Dec. 11) during the 2024 Annual Meeting of the American Geophysical Union (AGU) in Washington, D.C. After traveling to Mars attached to the [Perseverance rover](#), Ingenuity began a test flight campaign to prove that powered flight in the thin [Martian atmosphere](#) was possible. After almost three years of operating on the Red Planet, Ingenuity [crashed during its 72nd flight](#) on Jan. 18, 2024, suffering [rotor damage](#) that rendered it incapable of ever flying again.

But after conducting the "first aircraft investigation on another world," Ingenuity's mission managers at JPL say the helicopter could have a second life on the Red Planet. "We are very proud to report that, even after the hard landing in flight, 72 avionics battery sensors have all been functional, and she still has one final gift for us, which is that she's now going to continue on as a weather station of sorts, recording telemetry, taking images every single sol and storing them on board," said Teddy Tzanetos, Ingenuity's project manager at JPL, during the team's presentation at AGU.

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JPL has spent months investigating Ingenuity's crash, and determined that the helicopter's navigation systems had too little information to go with due to the monotone, bland texture of the Martian surface.

"This does not mean that we've been able to figure out everything about the flight," said Ingenuity's first pilot, JPL's Håvard Grip, at today's presentation at AGU 2024. "Our conclusion is that we don't have enough information to disentangle some of the details about the sequence of events right around landing."

Grip added that, while the team's investigation is over, it is far from complete due to the vast distance between JPL and Ingenuity's final resting place.

"One of the things that makes it difficult to investigate this is the relative lack of information," he said. "The accident site itself is about, you know — it's more than 100 million miles [160 million kilometers] away. There's no black box, there are no eyewitnesses. We can't walk up and touch anything, so we have to work with the small pieces of information that we have."



This image, which shows the shadow of a damaged rotor on NASA's Mars helicopter Ingenuity, was taken after its 72nd and final flight on the Red Planet, on Jan. 18, 2024. (Image credit: NASA/JPL-Caltech)

However, JPL scientists added that, aside from its mission-ending rotor damage, Ingenuity remains in otherwise good health. In fact, if you were to ask the helicopter itself, Ingenuity would report that everything is fine, Tzanetos said.

"If you were to query Ingenuity's health system, she's green across the board as far as she's concerned. She doesn't have a sensor on the rotor system to detect the damage. But we are very proud to report that, even after the hard landing on flight 72, avionics, battery, [and] sensors have all been functional."

Tzanetos added that Ingenuity has around 20 years' worth of onboard storage remaining, meaning it can keep taking measurements and images every Martian sol (a solar day on Mars).

But there may be no way to get that data back to Earth. The [Perseverance rover](#), through which Ingenuity communicates via radio link in order to send its data back to its mission team, is now 1.8 miles (3 km) away from the helicopter. Soon, Ingenuity might lose its ability to communicate with its human controllers on Earth.

"I think it's a good bet that, within the next month, we'll lose contact forever, or until we come back in 20 years with astronauts, or until we turn back for [sample return](#)," Tzanetos said during the presentation at AGU.

Despite its crash, Ingenuity proved to be wildly successful. The helicopter was designed to make only five flights on [Mars](#), and ended up making 72. Because it was only a flight demonstrator, the helicopter was not designed to carry science instruments.

But JPL is already looking to the [future of powered flight on Mars](#). During today's presentation at AGU, JPL scientists presented a video of a new Red Planet helicopter concept known as Mars Chopper.

(Click in the purple print black background to a link.)



Sorry for the lateness of the newsletter. I

should know family take precedence in January. I should have started earlier. It was the editor's birthday and is always before the January DARC meeting. This year it was exceptionally early meeting time with the 3rd Wednesday the 15th. This kid was born on the 12th! Actually, it was right at midnight of the 12th. Being born at home with the GP doctor and the Wayne County nurse midwife, my Mother demanded the date be **not** the 13th! My Mom and her younger sister were very superstitious. My Mom was very strong willed. I've told you before I was a premie only, 3lbs 10 ounces, and my Mom actually delivered me while my Dad, the GP and the nurse were playing cutthroat Euchre, eating popcorn and drinking tea. My Dad reminded me every birthday I can remember, "The doctor was not even there to help when you were born and he still charged \$5.00!" My first name David comes from the GP doc's first name. He was a Canadian like my Dad and they both were naturalized US citizens and swom in at Lyons the same day.



Here's your good laugh for this month. 61 years later on Sunday, getting ready to blow out 18 candles as I did on my 18th birthday in 1964. I'll let you know. I blew them all out in one blast! Hi hi. [Editor's note:

The XYL was at that 18th birthday in 1964 as just a YL and we had been dating only 3 weeks to the day. The YL was sweet then to accept my invitation, like a 3rd date. My XYL "Sweetie" helped celebrate my birthday for the 61st time. 88s to my "Sweetie!"]



the left of my XYL.

The Fairport grandkids, our son and the Italian gramma on

HAPPY NEW YEAR



Hopefully an earlier newsletter next month. (KC2TNJ says, "We'll see.")