



MAY 2024

MACON COUNTY ARC NEWSLETTER



**THE MACON COUNTY ARC WILL MEET MAY 30, 2024 AT 7:00 PM
AT THE FIRST CHRISTIAN CHURCH ON BRIGGS IN MACON, MO
THE PRE-MEETING DINNER IS AT THE APPLE BASKET AT 5:30 PM**

Website Link www.n0pr.org Macon County ARES Net 7:30 Wed

APRIL MEETING REPORT

The Radio Club meeting in April was at the First Christian Church. The Radio Club meeting was called to order by President Jesse Jones, KDØETU and the following club business was conducted.

Charlie Roberts, WBØHLW, was unable to attend because of another commitment sent his Treasurer's Report to the meeting. He reported that the account currently has a balance of \$921.73.

It was announced that the Mark Twain Regional Council of Governments has a program to accept waste electronics, Hazardous waste, batteries on the Second Wed. of each month from 9:00 am to 4:00 p.m. at their office in Perry, MO. They accept the waste materials on designated Saturdays. The next weekday Hazardous waste day is June 12 and the next Saturday site opening is June 1st.

The members discussed the confusion caused by the change in the ARRL Insurance program and the announcement of the new ARRL Insurance Program called into question the Insurance that the Radio Club purchased from another company believing it was the ARRL Insurance. The members decided to cancel the new Insurance policy and get a refund and purchase the ARRL Insurance. Charlie Roberts will be contacted and he can handle the process.

We voted to purchase a second Banner for the Radio Club to use when needed. At special operating events and Field Day. The cost will be \$50.00 plus sales tax.

The dates of the Macon County ARC Volunteer exams have been posted on the web and Ira Huff, AI7CH, said that he would upload the dates to the Macon County Club website www.nopr.org

APRIL MEETING REPORT

ARRL Field Day coordinator Dale, KØKY, e reserved the City of Macon Education Building on Brees Drive for June 22 – 23 as this year's ARRL Field Day operating site. Crown Equipment has agreed to our use of part of their gravel parking lot for our antenna. We are planning to go 3A again this year and link all the computers using writelog contest software. There may be an operation using an individual's home call also. All members who can't make it to Field Day are encouraged to operate Field Day with their own Callsign from their Home QTH. They need to submit their Field Day report to the ARRL and include Macon County ARC as your club affiliation in that submission. We will get together before Field Day and check out all the antenna equipment and that the rotor cable is available.



We will need a good turn-out of members to set-up the operating stations, put up the antenna, make sure that the computers are properly linked and can take a turn of operating the radios during the ARRL Field Day Operation.

THOUGHTS ABOUT SUNSPOT CYCLE

BY GARY ALTMAN, KBØHV

Chris Clark, KFØGUS shared an article that will be of interested to the Macon County ARC members that want to understand propagation. The article is by Gary Altman, KBØHV, was for the Warrensburg Amateur Radio Club members. I have pasted that article below.



Massive solar flare that occurred may 10, 2024

I have been asked for my viewpoint as to what is going on with our Sun, when the bands will return to normal, where we are at in the present solar cycle and what all this extraordinary activity lately says about my decade long predictions of an upcoming Maunder Minimum at the end of cycle 25. I have been surprised with the intensity of this cycle after predicting that this one was going to be another lesser cycle than the last, as we have seen for the last 3 cycles, but we didn't take into consideration that we are also experiencing a regular cyclic pole shift which is making Cycle 25 look stronger than it should be.

We should be thankful that we are not experiencing a very strong solar cycle such as Cycle 21, because with today's reduced Magnetic Field we would likely be in big trouble right now. Cycle 25 is weak, and indeed is still following the downward progression we expected, it just appears to be stronger because of external factors.

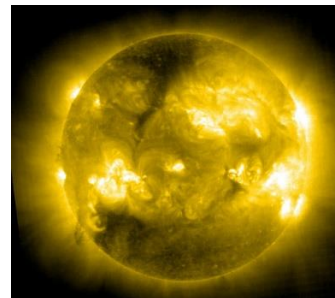
For those following the dire predictions of what happens during the pole shift sequence, we may actually be somewhat saved by the

upcoming Maunder Minimum, or at last saved from a lot of what COULD happen if the timing wasn't just right.

You can see on my chart that between this and the last Solar Cycle, we suffered a little more than 3 years at minimum levels! In fact, the last 3 cycles showed us extraordinarily long periods of time sitting at the minimum, not at all common when we compare with the known solar cycles in the 400 year or so history we have of them. These long periods of time between cycles at the minimum is one of the biggest signs that we are indeed heading into another Maunder Minimum, just like we had in the 1600's. We can still expect to spend about 50-60 years at a minimal solar level before going into Cycle 26, just like we did back in 1660. Isn't it nice that just when we become the most vulnerable because of the pole shift, we just happen to be predicting an extraordinary quiet time on the Sun?

As far as where we are at in Cycle 25, we can look back at the shape of Cycle 24. We can see that the points on the chart that I labeled with a 1 and a 2 correspond with that spot in the other Solar Cycle. We are in the first peak of a double peak that happens at solar maximum. Following the shape of the last cycle, we can see that we are about to fall into about a 10-month period with less intense activity, and then we hit the second, and usually larger peak. March of 2025 should prove to be very interesting. By Gary Altman, KBØHV

THE LINK PROVIDED IS AN AMAZING SERIES OF IMAGES OF SUN, SOME OF THE BEST I'VE SEEN.



[NASA IMAGES OF MASSIVE SOLAR MAY 2024 FLARES](#)

Upcoming DX Information
Compiled from ARRL DX Bulletins,
DX-News, DX-World
by Ron Harrison, NTØC



Dave, WJ2O will be active as VP6DF from Pitcairn Island, 30 May - 10 June 2024.
He will operate on HF Bands.

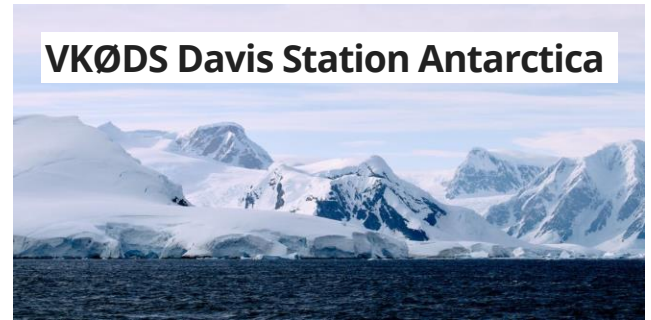


Roland, F8EN will be active again as TR8CR from Gabon, 15 May - until end of the June 2024.
He will operate on 30 - 10m, CW.
QSL via F6AJA.
Ads for direct QSL:
JEAN MICHEL DUTHILLEUL, 515 RUE DU PETIT HEM, 59870 BOUVIGNIES, France.



Alex, T5/IT9HRK is active again from Mogadishu, Somalia.
He will operate on 80 - 10m Bands.
QSL via home call.

Dave, VK2DS will be active as VKØDS from Davis



Station, Antarctica, from December 2023 - till November 2024.

He will operate on HF Bands, plus 6m and EME 2m and 23cm.

QSL via home call.

Yuri, YL2GM will be active as VK9LA from Lord Howe Island, IOTA OC - 004, 14 - 24 June 2024.

He will operate on 160 - 10m.

QSL via YL2GN, ClubLog OQRS, LOTW.



DF2WO and DG9KAN will be active as D44TWO and D44KAN from Praia, Santiago Island, IOTA AF - 005, Cape Verde, Cabo Verde, 6 - 20 June 2024.

He will operate on HF Bands, CW, SSB, Digital modes and also using QO - 100 satellite.

QSL for D44TWO via M0OXO, OQRS.

Ads for direct QSL:

Charles Wilmott, 60 Church Hill, Royston, Barnsley, South Yorkshire. S71 4NG, England.

D44KAN via DG9KAN direct.

Chas, NK8O will be active again as 5H3DX from Tanzania, 18 - 30 June 2024.

He will operate on 30 - 10m Bands, CW, PSK31, FT8 and possibly SSB.

QSL via home call, LOTW, ClubLog.

Ads for direct QSL: CHARLES W POWELL, 201 North 13th Street, Louisburg, KS 66053-3520, USA.

AURORA PICTURES MACON, MO

A blast of solar radiation bathed the northern parts of earth in a dazzling display of the Aurora Borealis or “northern Lights”. The display extended as far south as Texas and were clearly visible in Macon, MO until sometime past 4:00 a.m. when they faded below visibility. Dana Bagley, the daughter of Dale, KØKY, captured some of the images with the camera on her phone.



In addition, to the Aurora that visited us in May 2024 were some cicadae that have been waiting for over a decade to see the light of day and find just the right mate before they are eaten by their welcoming party.



The wires seen in this picture are KØKY’s 80-meter dipole and a Union Electric powerline.