

MCARA Events

Club meetings are the third Monday of every month.

The next meeting will be on September 18th at Hancock Whitney Bank
888 Howard Ave., Biloxi, MS 39530 Community Room of the Second
Floor.

Meet and greet social is at 5:00 p.m. every Thursday. Location varies so listen
to the net on Tuesdays for where it is.

Hamfests

09/16/2023 - Jackson County MS Hamfest

Location: Biloxi, MS

Type: ARRL Hamfest

Sponsor: Jackson County Mississippi Amateur Radio Association

Website: <http://jcmsara.org/hamfest>

Learn More

10/06/2023 - 10/07/2023

Slidell EOC Hamfest, ARRL Louisiana State Convention

Location: Slidell, LA

Type: ARRL Convention

Sponsor: Ozone Amateur Radio Club

Website: <http://w5sla.net/hamfest-2023.htm>

10/14/2023 - ARRL Day in the Park

Location: Olive Branch, MS

Type: ARRL Hamfest

Sponsor: Chickasaw ARA, Olive Branch ARC

Website: <http://www.arlmiss.org>

11/11/2023 - Montgomery ARC Hamfest

Location: Montgomery, AL

Type: ARRL Hamfest

Sponsor: Montgomery, Alabama Amateur Radio Club

Website: <https://w4ap.org/marc/index.php/hamfest/hamfest-2023>

Special Events

- **09/15/2023 | National POW/MIA Recognition Day**
Sep 15, 1800Z-2100Z, N3TAL, Lanham, MD. American Legion Post 275 Radio team. 7.275Mhz +/- LSB. QSL. American Legion Post 275 ART Team, 8201 Martin Luther King Jr Hwy, Lanham, MD 20706. n3tal275@gmail.com or www.grz.com/db/n3tal
- **09/16/2023 | 75 Year Anniversary of ARRL Affiliation**
Sep 16-Sep 17, 1700Z-1800Z, W9DUP, Lisle, IL. DuPage Amateur Radio Club. 3.885 14.070 14.045 14.274. Certificate. Brian Eder, P.O. Box 71, Clarendon Hills, IL 60514-0071. w9dup.org
- **09/16/2023 | State Line Radio Club Annual Picnic**
Sep 16, 0100Z-0800Z, N3SLC, Holtwood, PA. State Line Radio Club. 14.335 7.265 28.385. QSL. Edward Reichenbach, 108 Park Circle, Elkton, MD 21921. SLRC's Annual Picnic operating from Muddy Run Park in Holtwood, Pa, Picnic is open to the public. N3SLC.org
- **09/21/2023 | 16th Annual Triple Tree Fly-In**
Sep 21-Sep 23, 1300Z-2300Z, W4F, Woodruff, SC. Spartanburg Amateur Radio Club. 3.844 7.244 14.244 28.344. QSL. Chris Lipp, P.O. Box 981, Woodruff, SC 29388. This station will not remain open during the entire time frame listed above, but will close down every night at 23:00 UTC and reopen every morning at 13:00 UTC. Obviously the frequencies listed above may change due to conditions or band usage. Thanks to the generosity of the great folks at Triple Tree Aerodrome, all QSL cards will be free and mailed upon request. <https://tta.aero/ttji>
- **09/21/2023 | W. D. Boyce Council 50th Anniversary Camporee**
Sep 21-Sep 25, 1100Z-2200Z, W9S, East Peoria, IL. Craig Worrick. 14.275 7.225 3.905 10.136. Certificate & QSL. Craig Worrick, 101 S. Inglewood, East Peoria, IL 61611. Active on 75 40 30 20 meters phone & Digital modes sharpshooter729@gmail.com
- **09/22/2023 | W7Y Come and Get Wyoming**
Sep 22-Oct 2, 0000Z-2359Z, W7Y, Cheyenne, WY. Shy-Wy Amateur Radio Club. All Bands All Modes. Certificate & QSL. Shy-Wy ARC, P.O. Box 22483, Cheyenne, WY 82003. Need Wyoming for WAS on a new band or mode? We hope to help you out. Stations all across Wyoming will be working as many bands and modes as possible to assist. Please see the website for the scheduler showing what stations are on the air. Logs uploaded to LOTW and QRZ at the conclusion. See the website for QSL and Certificate details. <https://shywyarc.net/wp/comeandgetwyoming>
- **09/23/2023 | Battle of Chickamauga - 160th Anniversary**
Sep 23, 1400Z-1800Z, W4ABZ, Chickamauga, GA. Ringgold ARC. 7.265 14.265. Certificate. Jim Skeen, 224 Smith Liner Rd., Chickamauga, GA 30707. <https://www.grz.com/db/W4ABZ>
- **09/23/2023 | Covered Bridge Special Event**
Sep 23, 0800Z-1800Z, K1SV, Arlington, VT. Southern Vermont Amateur Radio Club . 146.5200 28.333 14.318 7.245. Certificate & QSL. Alden Jones IV, 222 Northside Dr., Bennington, VT 05201. sovarc.org
- **09/23/2023 | Fred Harvey House Museum on the Air**
Sep 23, 1400Z-2000Z, KS0LV, Leavenworth, KS. Pilot Knob Amateur Radio Club. SSB 14.250 7.230 FT8 18.100 21.074. Certificate. PKARC, 34058 167th St, Leavenworth, KS 66048. www.pkarc.net
- **09/23/2023 | SENRC 87th Anniversary**
Sep 23-Sep 24, 1500Z-1900Z, N0N, Johnson, NE. SouthEast Nebraska Radio Club (W9WKP). 7.200. Certificate & QSL. Chuck Bennett, KC0PTK, PO Box 67181, Johnson, NE 68506. Sep 23, 1500-2300, and Sep 24, 1500-1900 daily. senebrradioclub@gmail.com or www.facebook.com/SENRC
- **09/23/2023 | Volcano Days - West Virginia Oil and Gas History**
Sep 23, 1400Z-2200Z, W8PAR, Parkersburg, WV. Parkersburg Amateur Radio Klub. 7.200 14.225; FT8. Certificate & QSL. Jerry Wharton KA8NJW, 1722 20th. St., Parkersburg, WV 26101. www.w8par.org
- **09/24/2023 | FMCA-ARC Fall Rally/POTA**
Sep 24-Sep 26, 0000Z-2100Z, W0M, St. Peters, MO. Family Motor Coach Association. 7.040 7.240 14.040 14.260. QSL. John Bechtoldt, 1418 South Yale Dr, O Fallon, IL 62269. POTA at Gateway Arch-Sept 25th fmcaarc.com
- **09/25/2023 | 243 Anniversary Muster at Sycamore Shoals on the Watauga River and March to Kings Mountain**

Sep 25-Oct 7, 1700Z-1700Z, WR4CC, Elizabethton, TN. Carter County Amateur Radio Association. 3.900 7.075 14.290 21.350. QSL. Larry Davis, KM4RWO, 172 Carl Taylor Dr, Elizabethton, TN 37643. WR4CC.org

- **09/29/2023 | Elmer Special Event**
Sep 29-Oct 1, 0000Z-0000Z, W1E, Prospect, CT. KB1FGC. 7.040 14.040 14.300 21.040. Certificate. Rich Guerrero, 19 Terry Rd, Prospect, CT 06712. Frequencies are rough guidelines. We will be on SSB and CW <https://www.qrz.com/db/W1E/ELMER>
- **09/29/2023 | WWV 104th Anniversary**
Sep 29-Oct 1, 1200Z-2359Z, WW0WWV, Fort Collins, CO. WWV Amateur Radio Club. 14.238 14.038 7.238 7.038. QSL. WWV Amateur Radio Club, PO Box 273226, Fort Collins, CO 80527. The WWV Amateur Radio Club will be on-the-air as WW0WWV once again this fall, celebrating WWV radio station's 104th year with the call sign. While only operating 60 hours, we'll be easier to find since our operators won't have to cover so many days! We'll be around the .x38s on CW and SSB on as many bands as possible, including WARC; various digital modes as well as any satellite schedules will be listed on our website spreadsheet on our homepage. We look forward to a QSO! wwwvarc.org

QSO PARTIES

9/16/20231400Z 9/17/20230200Z [Texas QSO Party](#)
9/16/20231400Z 9/17/20230200Z [Iowa QSO Party](#)
9/16/20231600Z 9/17/20230359Z [New Jersey QSO Party](#)
9/16/20231600Z 9/17/20230400Z [New Hampshire QSO Party](#)
9/16/20231600Z 9/17/20230700Z [Washington St Salmon Run](#)
9/17/20231400Z 9/17/20232000Z [Texas QSO Party](#)
9/17/20231600Z 9/17/20232200Z [New Hampshire QSO Party](#)
9/17/20231600Z 9/17/20232400Z [Washington St Salmon Run](#)
10/7/20231600Z 10/8/20232200Z [California QSO Party](#)
10/14/20231500Z 10/15/20230500Z [Arizona QSO Party](#)
10/14/20231600Z 10/15/20230400Z [Pennsylvania QSO Party](#)
10/14/20231800Z 10/15/20231800Z [South Dakota QSO Party](#)
10/14/20230300Z 10/15/20232100Z [Nevada QSO Party](#)
10/15/20231300Z 10/15/20232200Z [Pennsylvania QSO Party](#)
10/21/20231400Z 10/22/20230200Z [New York QSO Party](#)
10/22/20231700Z 10/22/20230100Z [Illinois QSO Party](#)

DX News

KENYA, 5Z. Rick, M0LEP is QRV as 5Z4/M0LEP and will be here during the month of September. Activity is on the HF bands. QSL via LoTW.

ALGERIA, 7X. Enrique, EA5AD is QRV as 7X0AD from Oran until September 14. Activity is on 40 to 10 meters using FT8 and FT4. QSL direct to home call.

BARBADOS, 8P. Greg, N9GB is QRV as 8P9GB until September 14. Activity is on 60 to 10 meters using CW and SSB. QSL via LoTW.

BOTSWANA, A2. Sajid, VA3QY plans to be QRV as A22EW until October 8. Activity is on 20 to 10 meters, and possibly 6 meters, using CW and SSB. QSL via KB2MS.

CAPE VERDE, D4. Harald, DF2WO is QRV as D44TWO from Sao Tiago, IOTA AF-005, until September 17. Activity is on the HF bands and 6 meters using CW, SSB, and FT8, and on Satellite QO-100. QSL via M0OXO.

NORTH COOK ISLANDS, E5. Operators AA7JV, HA5YD, HA7RY and KN4EEI are QRV as E51D from Penrhyn Atoll until September 10. Activity is on 160 to 6 meters using CW, SSB, and FT8. QSL via HA7RY.

FRANCE, F. Special event station TM23RUGB will be QRV from Tonneins from September 10 to 13, next on September 21 to 24, and then on October 16 to 22, during the Rugby World Cup. Activity will be on the HF bands. QSL via F5KHG.

ISLE OF MAN, GD. Torsten, DL4APJ and Udo, DL2AQI will be QRV as MD/DL4APJ and MD/DL2AQI, respectively, from September 10 to 19. Activity will be holiday style on 80 to 10 meters using CW, SSB, and various digital modes. QSL to home calls.

MARIANA ISLANDS, KH0. Uli, DL2AH is QRV as KH0/DL2AH from Rota Island, IOTA OC-024, until September 14. Activity is on 80 to 6 meters using SSB and FT8. QSL direct to home call.

DODECANESE, SV5. Claudio, HB9OAU is QRV as SV5/HB9OAU from Karpathos Island, IOTA EU-001, until September 21. Activity is on 80 to 10 meters using CW, SSB, and FT8. QSL via LoTW.

EAST KIRIBATI, T32. Ken, KH6QJ is QRV as T32AZ from Kiritimati, IOTA OC-024, until October 17. QSL to home call.

PALAU, T8. Operators JR3QFB, JO3LVG and JM1LIG will be QRV as T88JH, T88MK, and T88FM, respectively, from Koror Island, IOTA OC-009, from September 12 to 19. Activity will be on 40 to 6 meters using CW and some SSB. QSL to home calls.

ICELAND, TF. George, K5KG and Charles, K1XX will be QRV as TF/K5KG and TF/K1XX, respectively, from September 11 to 18. Activity will be on the HF bands. They also plan to be active as part of the TF3D Multi/Multi team in the upcoming Scandinavia Activity CW contest. QSL via LoTW.

CORSICA, TK. Thomas, DL1ASA is QRV as TK/DL1ASA/p for the next few weeks. He will also try to be active from IOTA EU-164, various SOTA, WWFF, and various Lighthouse references. Activity is holiday style on the HF bands. QSL to home call.

BELIZE, V3. Uwe, DL8UD and Mark, DK8MM are QRV as V31KO and V31XT, respectively, until September 14. Activity is on the HF bands. They will be active as V3O in the Worked All Europe DX SSB contest. QSL V3O and V31KO via DL8UD, and V31XT via DK8MM

IRAQ, YI. Sam is now QRV with the new call sign YI1YY. Activity is on 40 to 10 meters using SSB. QSL via IK2DUW.

ALBANIA, ZA. Achim, DL1DAW is QRV as ZA/DL1DAW from Kallmet/Lezha until September 11. Activity is holiday style on 80 to 10 meters using CW and SSB. This includes an entry in the Worked All Europe DX SSB contest. QSL to home call.

THIS WEEKEND ON THE RADIO. ARRL September VHF Contest, ARRL EME Contest, Worked All Europe DX SSB Contest, North American CW Sprint, NCCC FT4 Sprint, NCCC RTTY Sprint, NCCC Sprint CW Ladder, K1USN Slow

Speed CW Test, FOC QSO Party, YB7-DX Contest, SKCC Weekend CW Sprintathon, Ohio State Parks on the Air, Alabama QSO Party and the Russian Cup Digital Contest will certainly keep contesters busy this upcoming weekend.

The 4 States QRP Group Second Sunday Sprint, K1USN Slow Speed CW Test, ICWC Medium Speed CW Test, OK1WC Memorial, Worldwide Sideband Activity Contest, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test 40, Mini-Test 80 and the RSGB 80-Meter Autumn CW Series are all on tap this weekend.

K7RA Solar Update

At 0046 UTC on September 8, the Australian Space Weather Forecasting Centre issued this alert:

"A solar filament erupted from the north east quadrant of the Sun on 07-Sep. Event modeling shows an edge of the associated north east directed CME may graze the Earth's magnetosphere on 10-Sep. INCREASED GEOMAGNETIC ACTIVITY EXPECTED DUE TO CORONAL MASS EJECTION FOR 10 SEPTEMBER 2023."

Eight new sunspot groups emerged this week, one on September 2, two on September 3, two more on September 4, and one each on September 5-6, followed by another on Thursday, September 7.

Average daily sunspot number was up, from 78.7 to 95.4, while average daily solar flux was less, from 140.9 to 137.6.

Geomagnetic activity was higher. On September 2 the planetary A index was 38, when Earth moved through a high speed solar wind. In Alaska, the college A index at Fairbanks was 59.

Average daily planetary A index increased from 7 to 15.4, and average middle latitude A index rose from 8.9 to 16.3.

Predicted solar flux is 155, 158 and 155 on September 8-10, 150 on September 11-16, then 155, 150, 155 and 150 on September 17-20, 145 on September 21-22, 150 on September 23-24, 145 on September 25, 140 on September 26-27, 135 on September 28-30, then 130, 135, 130 and 135 on October 1-4, then 140 on October 5-6, then 135, 135 and 140 on October 7-9, 145 on October 10-11, 150 on October 12-13, then 155, 150, 155 and 150 on October 14-17.

Predicted planetary A index 10 and 12 on September 8-9, 8 on September 10-13, then 5, 8, and 12 on September 14-16, 8 on September 17-18, 5 on September 19-22, 12 on September 23, 5 on September 24-27, then 8, 12, 5 and 12 on September 28 through October 1, then 12, 10, 12 and 10 on October 2-5, and 5 on October 6-10, then 10, 8 and 12 on October 11-13, and 8 on October 14-15, and 5 over the following week.

I observed interesting 12 meter propagation using FT8 on September 4, at 1745 UTC with <https://pskreporter.info/pskmap.html> in which my signal was only received over a narrow 300 mile band hugging the East Coast from Maine to Florida, all signal reports between 2200 to 2500 miles away, nowhere else.

Three hours later at 2045 UTC, the reports along the coast expanded to 600 miles, 2000 to 2600 miles wide.

Later at 2300 UTC it was the same pattern, but a 200 mile band, 2300-2500 miles wide.

The next day at 1700 UTC it was an arc from Virginia to South Texas, 1700 to 2300 miles. At 1715 UTC it drifted to coverage of 1750 to 2600 miles.

Before FT8 and pskreporter, there was no practical way for me to observe any of this. Who knew?

Rick Cochran, WO8L wrote:

"So, despite all of the indicators being pretty good, why are the bands so terrible?

"In the nearly 60 years I've been a ham this Sun cycle has consistently been a dud compared to past cycles, especially during the day.

"So many of us would like to know why."

I replied:

"Good question. You aren't the only one to ask."

There is a theory that carbon in the atmosphere or a warming climate contributes to this, but I do not understand the mechanism. K9LA told me that models do not support this, but at the moment I cannot recall what those models are. This issue was discussed in previous bulletins.

Another theory is that this is a perception issue related to the widespread adoption of FT8, in which users of traditional modes see less activity on CW and SSB and perceive poorer propagation as a result.

Weekly Commentary on the Sun, the Magnetosphere, and the Earth's Ionosphere - September 7, 2023, from F.K. Janda, OK1HH:

"In late August, as AR3413 approached the northwestern limb of the solar disk, its eruptive activity began to increase, even though its size and magnetic configuration did not suggest it. However, we observed it at a very low angle, so we may have missed details.

"Either way, it was the source of several C- and M-class flares, at least two of which (on August 30 and September 1) ejected CMEs. Both hit the Earth triggering a G2 class geomagnetic storm. For shortwave propagation, this meant a significant improvement and increase in MUF in the positive phase of the disturbance on 2 September 0900-1300 UTC, followed by a deterioration for the next few days.

"AR3413 meanwhile, continued with increased eruptive activity on the Sun's far side, including a massive CME on 5 September, but it no longer affected the Earth. It merely 'ripped off the tail' (a disconnection event) of comet Nishimura (C/2023 P1), which is approaching the Sun. Its closest approach will be on September 17.

"A relative improvement in shortwave propagation did not occur until

September 5, with a jump in solar wind speed at 1439 UTC. Meanwhile, active region AR3421 began to grow significantly around the central meridian.

"The magnetic configuration points to the possibility of geoeffective flares. This was followed by the growth of other active regions in the northeast of the solar disk, so that solar activity remains elevated. Since we expect the Earth's magnetic field to calm down, shortwave propagation conditions should gradually improve. Seasonal changes as the equinoxes approach will also contribute to this."

The Autumnal Equinox in the northern hemisphere is just two weeks away.