



KN5GRK

Editor: Herman Campbell

Newsletter



Volume 2 Issue 9

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September 2023

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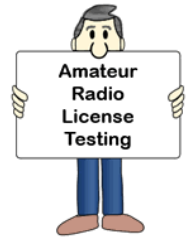
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Thursday September 7, 2023 — AARA General Club meeting at [Candyland Cottage & Ice Cream Shop](#) in Scott, LA at 7:00 PM.

Agenda: Tour du Teche Special Event - See page 3

VE Testing @ 6:00 PM. See page 3



Life Reflections from the Editor

I haven't done much traveling in my lifetime of almost 84 years, but I do a lot of traveling on "**GOOGLE MAPS**". Before I moved to Lafayette, Louisiana in September 1960, I lived in Arkansas and in quite a few places before moving to Lafayette.

The other day it came to me to search all the places and addresses to see if any of them still existed from the time of my birth until the present. Ten different places in Arkansas and only one house still stands and it is the one I lived in when I received my Novice License in 1956. Little Rock has changed so much it is hard to recognize it from the air.

In Lafayette, I lived in seven different addresses and only two still exists, one of them is my present QTH. Lafayette has really changed quite a bit since I moved here in 1960, all the cane fields are now business and housing complexes, don't seem like it has been that long ago.

I also like to surf [GOOGLE](#) when I see a news item or a place that gets me curious of the location. I am sure you have done the same. The world has changed quite a bit in the last 84 years!

de Herman KN5GRK

Walker Winans WB5MPV Silent Key 1945 - 2023 Memorial Service



Hi Everyone, this is Lara, Walker's daughter. As you probably know, Walker, also known as WB5MPV by his ham radio friends, passed away on July 13th after a brief battle with liver cancer.

I would like to invite his friends to the memorial service scheduled for **Saturday Sept 16, 10 am at: St. James Episcopal Church (205 N 4th St, Baton Rouge, LA 70801).**

There will be a 30 minute funeral service, followed by a reception at the Church's Coleman Hall, where we can share stories and meet other people from Walker's many social circles. We'll have coffee and lemonade and light snacks/ deli trays of fruit/ cheese/ meat. There won't be a eulogy during the church service, so this will be the time for speeches/remarks. :) Lara Phillips

Note: See page 3 of [KN5GRK's August Newsletter](#) for more info.

Things I have to sell - click here:



My website is hosted by:



Using Power Tool Batteries to Power Ham Radios

by Randy Hernandez KI5IQD & Michael Cavell KI5ARX

At the August 3, 2023 Acadiana Amateur General Meeting, AARA members, Randy Hernandez KI5OQD and Michael Cavell KI5ARX gave a presentation on how they use their power tool batteries as an emergency power source. Adapters can be constructed using a 3D printer and a power conversion adapter such as the one found on [amazon.com](https://www.amazon.com) for \$9.99.

1.2V to 36V DC; Input Voltage: 6V to 40V DC (10V to 40V is Suggested); Output Current: 20A (Max.), 15A (Suggested)



3D Printing Notes:

Websites for finding files to 3D print:

<https://www.thingiverse.com/search?q=ham+radio>
<https://www.yeggi.com/q/ham+radio/>
<https://thangs.com/search/ham%20radio>

Helpful Utube Videos:

Power Tool Battery for Radio Pwr 20220920
<https://www.youtube.com/watch?v=RBKVfVdnAt8>
Tool Batteries For Ham Radio
<https://www.youtube.com/watch?v=1i4NiGwjIDk>

Battery Demo Notes:

How long will my power tool battery power my radio?

Power Tool Battery packs @ 20 % duty cycle at full power

18V-20V	1AH	2AH	3AH	4AH
100W HF	5 min	12 min	20 min	30 min
25W VHF	30 min	60 min	90 min	2 hours

Yard Equipment Battery Packs @ 20 % duty cycle at full power

36-40V	2AH	4AH	6AH	8AH
100W HF	30 min	1 hour	90 min	2 hours
25W VHF	2 hours	4 hours	6 hours	8 hours

Note: Reputable manufacturers overstate their capacity, others are outright lies.

Note: Battery capacity will also degrade with age avgerage life is 300-2000 discharge cycles Bioenno has some good references for calculating radio power usage [Bioenno Website](#)

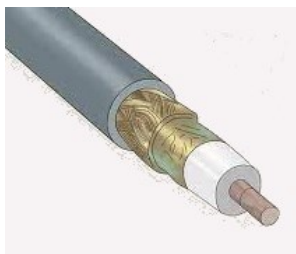
Note: Randy noted that the 24 to 12 volt converter that came with my adapter puts out 12 volts with a fully charged battery, not the 13.8 volts that many radio folks prefer. As the battery voltage into the converter dropped so did the output which some may find objectionable. Some of the converters Mike showed are rated to deliver 13.8 volts.

Battery adapters on Amazon:

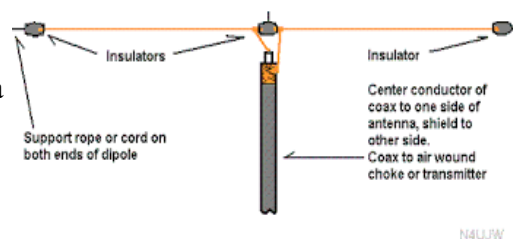
(Exact model Randy demonstrated) <https://www.amazon.com/dp/B0C621TW5X> (same company for various brand batteries. <https://www.amazon.com/stores/page/6F71D1E8-2D66-48B7-9AA3-31CBCB0B4F45?>

Other sellers can be found by using the search term (“your brand battery” power wheels adapter)
 For the kits that don’t sell one you will also need to search for a “12v” or “13.8V” “buck converter” or “step down converter” or “dc to dc converter 24V will work for 18-20v battery tools 48v will work for 36-40V.

AARA NEWS



The Acadiana Amateur Radio Association, Inc. (AARA) will hold a **“Build Day”** event at the QTH of Steve Weber AF5VR in Church Point, Louisiana on **September 23, 2023**. This event will demonstrate **“hands-on”** techniques of antenna construction, connector installation and many other building aspects for new ham radio operators.



2023 Tour du Teche Special Event

The AARA will again take part in the 135 mile Tour du Teche Canoe Race on October 6th, 7th, 8th, 2023 along the Teche Bayou from Arnaudville to Berwick, LA. Tom Dischler W50HJ will be coordinating the event., contact Tom if you are interested in helping.
E-mail: tomdischler@gmail.com



AUGUST ACADIANA 2 METER NET REPORTS

Net Name	Sessions	Check-ins	Total Time
AARA Monday Night Net - 146.820 @ 7:00 PM Monday	4	68	159
Acadiana SkyWarn Net - 147.040 @ 7:00 PM Tuesday	5	53	160
Silent Key Memorial Net - 146.820 @ 7:00 PM Wednesday	5	62	154
Rag Chew Net - 146.820 @ 8:00 PM Thursday	4	38	385

Results posted on the 1st of the following month.
If the 146.820 is having problems, the alternate frequency will be the 147.040 repeater located in Duson, LA



Acadiana Amateur Radio Assoc., Inc. (AARA) VE Test Session Results August 3, 2023



Unfortunately at the August meeting there was no one to test, not even for an upgrade. Hopefully we will have a better result at the September session next month.
73, de Greg ~ K5LFT

When possible, Amateur Radio Examinations (VE Exams) will be conducted prior to the club meetings starting at 6:00 PM. Information regarding VE Exams can be found here:

<http://www.w5ddl.org/VE%20Exams.htm>

Please arrive as early as possible to help insure adequate time is available to complete your exam before the meeting starts.

Anyone needing additional information regarding VE Exams should contact Greg Dolan K5LFT at: k5lft@arrl.net.

Southwest Reef Lighthouse Special Event Report

Members of the BEARS Club of Morgan City, LA held a special event on August 19 & 20, 2023 at the Southwest Reef Lighthouse (US0176) in Berwick, LA.

We could only work 12 to 13 hours due to the heat. It was 107 at the pavilion. We worked 103 stations, 5 lighthouses, several Canada stations and one from France. Due to manpower and heat, we chose to use the 3 element beam at the pavilion instead of stringing up all kind of dipoles and bringing extra radios. With

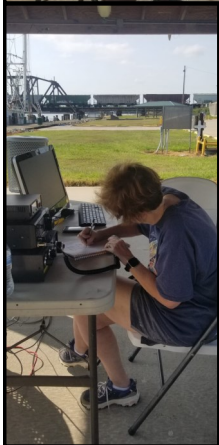
just a hand full of operators, it made it easier to pack. We worked only 20 meters around 14.270 +\-. . . . We worked 103 stations, 2 lighthouses, several Canada stations and one from France.

Mike and Victor brought portables to try but did not have any luck.

Those participating in the event were: Rudy WA5QNH - Herbert KI5YLL - Tina KA5HSL - Deborah N5FMI - Mike WD5JTZ - Victor KI5IMV - Fred W5MLE and Karen KE5RPI.

The beam is donated by the town of Berwick and is open for any ham to bring their radio and work. Hams must be verified before the combination is given. Instructions are on the box.

Town of Berwick Councilwoman Collen Askew, has come out 3 years in a row to watch the event for an hour or so as well as Mayor Duval Arthur. Both are much appreciated... as all of the councilwho support the BEARS club and event. . - de Tina KA5HSL



A BRIEF HISTORY OF THE BARCODE

The history of the barcode

The history of the barcode started on June 26, 1974. A packet of Wrigley's chewing gum became the first ever item marked with the Universal Product Code (UPC) to be scanned at a supermarket checkout. Nowadays, almost every product on the market has a barcode on it. Without barcodes and barcode scanners, shipping companies wouldn't be able to guarantee overnight delivery, taking inventory checks would take hours, and manually-entered data would cost companies millions in errors. But how was the barcode created and how has it evolved over the years?

Creating the barcode

In 1948, Bernard Silver, a grad student at Drexel Institute of Technology, overheard a conversation between the president of a major food company and a University Professor. They were discussing research on automatically collecting product information at the supermarket checkout. Intrigued, Silver relayed what he'd heard to his friend and fellow student Joe Woodland, who was also fascinated by this idea.

Obsessed with finding a solution, Woodland began conducting research into a code of some sort that could be printed on groceries and scanned. Some months later, while he was sitting on a beach chair and pondering his research, Woodland drew four lines in the sand with his fingers. It was at this moment he realised that a series of narrow and wider lines held the solution to his problem. Taking inspiration from *Morse Code*, these lines in the sand led to the development of the first ever barcode which went on to revolutionise retail and distribution industries across the globe.

Creating the barcode scanner

Barcodes wouldn't be of any use without scanners to read the data. That's why, in 1952 – the same year that the patent for the barcode system was granted – Woodland and Silver built the first barcode reader. However, it wasn't until the 1970s when barcodes and barcode scanners first made their appearance in the public sector and The Universal Product Code (UPC) was introduced. By 1984, 33% of grocery stores were equipped with barcode scanners. Skip forward 20 years and, accordi-



ing to Fortune magazine, around 85% of the top 500 companies in the United States were using barcodes.

Evolution

Today's barcodes and barcode readers have come a long way since Woodland and Silver's first models, having continuously evolved for 45 years. From wearable devices to DNA scanning – the future of barcodes and barcode scanners is exciting and wide open. As we move from traditional barcodes to 2D and 3D versions, barcodes and barcode scanners will continue to adapt to make sharing information as easy and effective as possible.

Our barcode solutions

We have a number of solutions that use barcode reading technology. Visit our solutions page to find out more

Further Reading <https://scantopdf.com/blog/brief-history-of-the-barcode-2/>

“Market Makers” Want to Expand Their Use of Shortwave

The FCC seeks comments on a proposal to use HF spectrum for financial data
By Randy J. Stine Published: July 9, 2023 □ Updated: August 1, 2023

RADIOWORLD

The FCC is taking public comment on a proposal to revise the rules governing the frequencies above 2 MHz and below 25 MHz.

The Shortwave Modernization Coalition thinks the 2-25 MHz band is underused and wants to use it for the long-distance transmission of time-sensitive data from fixed stations. The users would be companies working with certain kinds of financial transactions; the proposal would prohibit voice transmission and mobile operations.

The firms in the coalition are “market makers and liquidity providers” for exchange-traded financial instruments.

This high-frequency trading industry has in fact been using shortwave links for several years to send trading data between U.S. and foreign exchanges, but it has done so under experimental authorizations.

While the stations’ locations and frequencies are public data, the FCC has withheld key details of those operations from public disclosure, according to Bennett Kobb of Experimental Radio News, who follows this topic.

Experimental licenses are not intended for ongoing revenue operations. Now several major players in that industry (they are listed at the bottom of this story) coalesced into the SMC to petition for regular ongoing revenue operations under Part 90 of the FCC rules.

Kobb said the petition marks the first major proceeding dealing with shortwave since the 1940s.

Details

“Market makers” are financial institutions or individuals that participate in a capital market by buying and selling securities such as stocks, bonds and derivatives. They typically maintain an inventory of securities they are willing to buy and sell at publicly quoted prices from and to other traders, investors and institutions, according to SMC. It said these practices contribute to an efficient market system.

The coalition notes that transmissions at 2-25 MHz can travel over thousands of miles via skywave propagation, making this part of the spectrum ideal for transmission of relatively low-bandwidth data over long distances with minimal delay.

But it says current rules limit the frequencies to public safety, aeronautical, maritime, amateur and limited Part 90 Industrial/Business Pool uses. It believes the rules governing those Part 90 uses are out of date technically.

It believes that allowing its proposed uses on a non-exclusive, licensed basis will not impinge on existing users in that spectrum.

Its proposed amendments would enhance the ability of users to access “real-time financial data and continue to act in a manner to improve asset prices, to the benefit of centralized markets and market participants,” the coalition wrote. The changes also have the potential to spur additional innovations in the use of these frequencies, it said.

“The availability of 2-25 MHz band frequencies for such use also would obviate the need for businesses that require the fixed, long-distance transmission of time-sensitive data to rely on fiber, microwave and millimeter wave wireless, and satellite systems, which are costly, not capable of achieving comparably short transmission delay, and can be less secure than 2-25 MHz band transmission systems,” SMC wrote.

The group says this part of the spectrum has long been underutilized in the U.S., despite advantages including the need for only one transmit site and one receive site for transmissions over entire continents and oceans.

“In contrast, radio frequency transmissions via microwave and millimeter wave spectrum require multiple transmit and receive links to travel even relatively short distances.”

The SMC acknowledges there would be technical challenges.

“The approximately 11-year solar cycle causes variations in sunspot activity, resulting in changes to the levels of solar electromagnetic radiation that reach Earth. This, in turn, causes fluctuations in the altitude of the ionosphere at different times of day and from year-to-year. In addition, electromagnetic frequency noise in the 2-25 MHz Band is quite high as compared to other spectrum bands.”

(continued on page 6)

Best quote I’ve heard in a while:

“You can’t leave those who created the problem, in charge of the solution”!

“Market Makers” Want to Expand Their Use of Shortwave continued from page 5

However, its members have used their experimental licenses to develop technical solutions that enable switching among available 2-25 MHz band frequencies to overcome these challenges. It says this minimizes the likelihood that high-frequency spectrum transmission technologies will cause or experience harmful interference.

Although each experimental system is unique, the coalition wrote, they all avoid interference through technologies like “listen before transmit”; automatic frequency changes in the presence of other signals; and custom, in-house software and frequency agility.

The group submitted a technical report in support of its proposal. The software-based study considered four transmission cases representative of long-distance use cases including transmitting from New York west to Los Angeles; from Chicago to Seattle; from New York to São Paulo, Brazil; and from Chicago to London, U.K. It used several frequencies, with 20 kW transmit power and a transmitter bandwidth of 10 kHz.

“The 2-25 MHz band is the optimal transmission medium for reducing delay in the long-distance transmission of the data essential to their market making activities,” the coalition concluded.

The coalition includes DRW Holdings, IMC Trading, Jump Trading Group, Virtu Financial Inc., NLN Holdings, Optiver Services and Tower Research Capital. Those firms are affiliated variously with experimental licensees Skycast Services, Toggle Communications, RCA Telecom, 10Band, County Information Services, m-Wave Networks, Rockland Wireless and Alpha Bravo Communications.

[Read the petition.](#) The FCC is taking comments under proceeding RM-11953



Federal
Communications
Commission



Flame-proof Telegraph Key

I recently received a e-mail from a gentleman looking for a Navy Flame-proof Telegraph Key to be passed on my [e-mail reflector](#) and my curiosity was aroused as I have never heard of this, so I decided to Google the subject and see about this item.

This is part of what I found:

M O R S E C O D E

Description (Brief)

Telegraph keys are electrical on-off switches used to send messages in Morse code and can spark when the circuit opens. Flame-proof telegraph keys, like this one made by American Marconi, were designed to contain the spark within a sealed chamber. These keys were necessary on early aircraft and in confined spaces such as aboard ships and submarines where the spark might ignite flammable gasses.

Label reads: "Flame Proof Hand Key - 1/2 K.W. / Volts 300 Amperes 5 Cycles 500 / Type SE86 Serial No. 235 / Mf'd by Marconi Wireless Telegraph Co of America."

This unit is a 500 watt flame-proof hand key designed for submarine transmitters. A U-shaped lever arm operates internal contact points. A double-grip knob is affixed to arm. Spring action is adjustable. Marble-type base with two binding posts. Reference: Navy Type Numbers, 1918.

National Museum of American History

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If you require a personal response, please use our [Contact page](#).



53rd Queen Wilhelmina Hamfest

HAMFEST/CONVENTION

Type: ARRL Sanctioned Event
Sponsor: Queen Wilhelmina Hamfest Association
Date: Friday September 8, 2023
Saturday September 9, 2023
Location: Queen Wilhelmina State Park
3877 Highway 88 West
Mena, AR 71953
Talk-In: 146.790 tone 100
Website: <http://www.menahamfest.net/>
Public Contact: Kevin Randolph , KC5KZA
192 Polk 31 Hatfield , AR 71945
Phone: 479-216-0033
Email: houseofrandolph@gmail.com

Jackson County MS Hamfest

HAMFEST/CONVENTION

Type: ARRL Hamfest
Sponsor: Jackson County Mississippi Amateur Radio Association
Date: September 16, 2023
Location: St Martin Community Center
15008 Lemoyne Blvd.
Biloxi, MS 39530
Website: <http://jcmsara.org/hamfest/>
Talk-In: 145.11 123.0
Public Contact: Charlie Hardt , N2PKW
215 Tantallon Dr.
Ocean Springs, MS 39564
Phone: 228-233-4140
Email: charles.hardt@mgccc.edu



Ham Radio - We Talk to the World!

Slidell EOC Hamfest — ARRL Louisiana State Convention

Date: October 6, & 7, 2023
Location: Slidell City Auditorium
2056 Second Street
Slidell, LA 70458

Time: October 6th. 2:00 p.m. - 5:00 p.m.
October 7th. 8:00 a.m. - 2:30 p.m.

Admission: Adults: \$5 (Includes 1 Raffle Ticket - Good for both days) - 12 & Under: Free

Talk-In: 147.270 MHz PL 114.8 Hz

Hamfest Flyer: http://w5sla.net/Hamfests/2023/Flyer_20230724.pdf

Forum Schedule: <http://w5sla.net/forums.htm>

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

Public Contact: David Hartley K5OZ
1059 Parkpoint Drive Slidell, LA 70461
Phone: 985-707-8010
Email: dehartley@charter.net



GRAND PRIZE DRAWING:

1st Place - Yaesu FTM-500XDR
2nd Place - Yaesu FT-70DR
3rd Place - LRS (Lightning Rig Saver)
4th-5th Place - Yaesu FT-65R
6th-9th Place - Yaesu FT-4XR
10th - Baofeng GM-15 Pro

Friday:

Vendor setup 8 am to 2 pm (Enter rear doors on old fire house side)
Flea Market setup 10 am to 2 pm (Enter rear doors on old fire house side)
Doors open to public at 2 pm and close at 5 pm (Enter though Lobby doors)

Saturday:

Doors open to Vendors and Flea Marketeers 7:30 am (Enter rear doors on old fire house side)
Doors open to public at 8 am and close at 3 pm (Enter though Lobby doors)

Current Vendors:

Ham World, The Sign Man, TN07 Engineering, N5IAW Connectors, and Cajun RF

Past Vendors:

The Sign Man, MCM Computers, TN07 Engineering, N5IAW Connectors, ABR Industries, and Hamworld Inc.

(((ON ALL))) BANDS

AN AMATEUR RADIO BLOG BY DX ENGINEERING

Word of the Day: (Elmer): Why Do We Call a Ham Radio Mentor “Elmer?”

Posted by OnAllBands on May 1, 2019 at 8:33 pm

Say the word “Elmer” to a non-Ham and two thoughts spring to mind: glue for elementary craft projects and a bald-headed rabbit hunter who has trouble pronouncing his Rs (see Barber of Seville). In the Amateur Radio realm, Elmers hold a high place of esteem. The word means an experienced operator who takes a novice under his or her wing, providing personal guidance and answers to the thousands of questions that confront the newbie. It can also be used as a verb, as in, “Elmering an aspiring operator is a cherished tradition that goes back to the early days of the hobby.”

The word has relatively recent origins. It first appeared in a 1971 QST article by Rod Newkirk, W9BRD, in which he bemoans the all-too-familiar story of an eager student who falls off the Amateur Radio wagon once his mentor moves away. He wrote, “Too frequently

one hears a sad story in this little nutshell: ‘Oh, I almost got a ticket, too, but Elmer, W9XYZ, moved away and I kind of lost interest.’”

Tell us about your Elmer. We’d love to hear about the individual who got you started in Ham Radio. And if you’re looking for an Elmer close by, a good place to start is at your local Amateur Radio club, where you’ll find plenty of knowledgeable folks who can help. Or give DX Engineering a call. Our team is filled with Elmers who can offer sage advice on what you need to get started, like the current ARRL license manual and other useful resources. Already have your license? DX Engineering also has starter kits for mobile radios and HTs to get you on the air fast.

For expert assistance from our Elmers, email: Elmer@DXengineering.com.

Elmer

- “Someone who provides personal guidance and assistance to would-be hams and also to hams that are seeking personal assistance in specific areas of the amateur radio hobby.”



The 2023 Route 66 On The Air Event will be September 9-17, 2023

Additional questions or comments, please use this email: route66ota@yahoo.com



Annual Route 66 On The Air Special Event starts Saturday September 10 through Sunday September 18. One of the biggest event all year with 22 stations across the country participating.

For more information go to www.w6jbt.org and click on the [Route 66 tab](#).



September 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

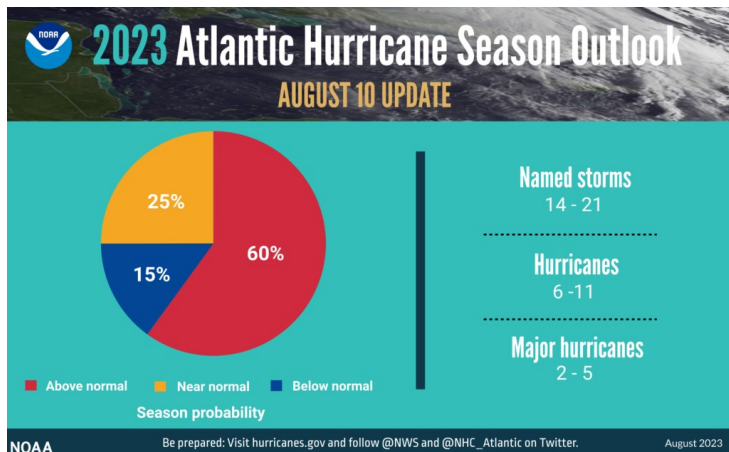
Schedule of Events

- **September 4** — Labor Day
- **September 7** — AARA General Club meeting at [Candyland Cottage & Ice Cream Shop](#) in Scott, LA at 7:00 PM. VE Testing @ 6:00 PM
- September 16 - Walker WB5MPV Memorial Service
- **September 9-17** — Route 66 on the Air Special Event
- **September 23** — AARA Build Day @ QTH of Steve Weber AF5VR in Church Point, LA



NOAA ups its Atlantic hurricane season outlook to ‘above normal’

By: Claire Sullivan - August 10, 2023 11:56 am [LOUISIANA ILLUMINATOR](#)



With peak hurricane season beginning in mid-August, another group of forecasters say the Atlantic is in for more storms than they first thought.

Scientists with the National Oceanic and Atmospheric Administration (NOAA) announced Thursday they anticipate above-normal storm activity this season. They had predicted in May, shortly before the season began, activity would be near-normal.

Their new forecast for this season predicts between 14 to 21 named storms, with winds of at least 39 miles per hour; six to 11 hurricanes, with winds of at least 74 mph; and two to five major hurricanes, with winds of at least 111 mph.

NOAA scientists give a 60% chance for an above-normal season, a 25% chance for near-normal and a 15% chance for below-normal. That’s twice the chance for an above-average season than NOAA anticipated in the spring.

This hurricane season is a battle between record-warm sea surface temperatures in the Atlantic and El Niño, a climate phase that produces storm-slashing vertical wind shear.

NOAA scientists think those warm temperatures will win out and note hurricane-curbing forces from El Niño have been slow to develop.

NOAA isn’t the only forecasting group that has raised its prediction amid the unusual ocean temperatures. Forecasters with Colorado State University heightened their outlook in July, citing similar reasoning.

CSU researchers forecasted a 48% chance of a landfall somewhere on the U.S. coastline, 25% for the East Coast and 31% for the Gulf Coast. These probabilities are a few percentage points higher than normal.

The Atlantic season has had an active start. There have already been five named storms, including one hurricane. The average season produces 14 named storms, including seven hurricanes, according to NOAA.

A Newsletter from Amateur Radio Station of Herman Campbell

V-J Day Remembrance

Sep 2, 1500Z-2030Z, W5KID, Baton Rouge, LA. Baton Rouge Amateur Radio Club. 7.040 7.250 14.040 14.250. QSL. USS Kidd Amateur Radio Club, 305 S. River Rd., Baton Rouge, LA 70802. CW, SSB, FT8 Operation aboard the USS Kidd (DD-661), a World War II Fletcher-class destroyer. www.qrz.com/db/w5kid

Celebrating the Life and Music of the Late Patsy Cline

Sep 8-Sep 10, 1800Z-2359Z, W4V, Winchester, VA. Shenandoah Valley Amateur Radio Club / W4RKC. 28.345 14.245 7.245 3.845. Certificate & QSL. SVARC, P.O. Box 2273, Winchester, VA 22604. w4rkcpatclycline.com

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.qrz.com/db/n3tal

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. <http://www.qrz.com/db/W4ABZ>

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>

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! wwvarc.org

Wyatt Earp Fall Festival

Oct 4-Oct 8, 1300Z-0100Z, W0E, Lamar, MO. Kilowatt Amateur Radio Club - K0KWC. 3.900 7.250 14.250 28.400. QSL. Tim Ryder, 700 Hagny Street, Lamar, MO 64759. Wyatt was Lamar's constable following his father's resignation in 1869. After the death of his wife and unborn child. Wyatt left Lamar heading west, starting the journey of what would become one of America's frontier legends. Be sure to contact Bonus Station N6C in California, Wyatt's final resting place. All QSL cards will be mailed from Lamar, Missouri. www.kilowattarc.org



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