

Charles
County
Amateur Radio
Club

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Smoke Signals



Volume 24
issue 11

November 2021

Meeting Nov 5 @ 1900 EST via Zoom &/or
Marbury Baptist Church 4670 Bicknell Rd,
Marbury, MD 20658

THE PRESIDENT'S WORKBENCH

Fall is finally in the air. I find as I get older I'm less tolerant of warm weather. While I'm not a fan of shoveling snow, I've entertained thoughts of becoming a semi-snowbird when I fully retire. I'm thinking summers close to the Canadian border and winters in the mid-Atlantic region. I fear I'll meet some resistance to that idea though as my dear wife is getting less and less tolerant of cool weather.

Along with the fall weather comes the end of Daylight Saving Time. This year it ends at 2:00 AM on Sunday, November 7. Don't forget to set your clocks back one hour.

Also on Sunday, November 7, there will be a gathering of friends and coworkers of our deceased friend and fellow member, Art Audley, AA3RT. The gathering to honor Art's memory will be at the La Plata Train Station Museum at 10:30 AM.

For those who don't know, Art was a strong advocate for turning

the old train station in La Plata into a museum and worked hard to achieve that goal. Prior to his death, he had envisioned a model train layout running in the museum and donated trains to that effort. Other volunteer members of the museum built a display table to Art's specifications. Too weak from his failing health, he was unable to work on building the display but asked me if I would take on the project. Working with the other volunteers we were able to get track laid and a train running, which Art got to see prior to his passing. Please come on out and share your memories and stories about Art.

In the last two weeks I have seen some very interesting projects created with microcontrollers. I'm not talking about over-priced and over-complex LED flasher devices. One of the devices I saw was an audio and RF signal generator built around a Raspberry Pi Pico microcontroller. The other

(Continued on page 2)

CALENDAR

November

03 Net 2030

05 meeting

10 Net 2030

17 Net 2030

24 Net 2030 &
News articles due

December

01 Net 2030

03 Meeting

08 Net 2030

15 Net 2030

22 Net 2030

29 Net 2030 &
News articles due

one was a direct digital synthesis (DDS) VFO paired with a receiver to create a general coverage SW radio receiver. Seeing those reminded me that, just prior to the pandemic, the club held a great class on programming the Arduino microcontrollers. From that class came an idea to form a microcontroller special interest group within the club that would meet regularly to learn and experiment with them and help each other through project and learning roadblocks. Who among you are interested in such an endeavor and would regularly participate? Let myself or Bob, KB3KOW, know if you're interested.

For November, there are several veteran related special event stations and a handful of non-veteran related events. One that caught my eye was an event station commemorating Hedy Lamar. Ms. Lamar was an actress and inventor who is among the collaborators listed in the patent for a frequency hopping system for secure communications. What caught my eye about this event is that it isn't being conducted on the radio, and it isn't just someone calling CQ for hours on end. Instead, this one is being run like a net, and is operating on EchoLink and Allstar VoIP conference nodes. Sounds intriguing. I'm sure Ms. Lamar would approve. Look through the events list elsewhere in this newsletter for details.

There are no state QSO parties this month. But don't let that bring you down because one of the biggest contests of the year happens in November, the ARRL Sweepstakes. The CW portion of the Sweepstakes runs from 5:00 PM local on November 6 to 10:00 PM local on November 7. The SSB Phone portion of the Sweepstakes runs from 4:00 PM local on November 20 to 10:00 PM local on November 21. This is a very popular contest that brings out large numbers of big gun stations. Even if you're not a contester, this is a great learning experience. Just sit and listen to these operators manage pileups and plow through successful QSOs with amazing efficiency. While battling QRM similar to Field Day, you'll hear many of these talented operators averaging one QSO every 30 seconds. See if you can train your ears to pull out the reports and call signs through the noise as easily as these operator do.

As I write this article, the Solar Flux has been above 100 for a couple days now. The 15 meter band has been open to Europe and even the 10 meter band has been open for DX communications. If this is any indication, the coming peak of Solar Cycle 25 looks like it will be good and strong. Get on the air and join the fun of chasing DX on 17, 15, 12 and 10 meters.



by Bob, NW3M

Practice questions

1. What does the term "traffic" refer to in net operation?
 - A. Formal messages exchanged by net stations
 - B. The number of stations checking in and out of a net
 - C. Operation by mobile or portable stations
 - D. Requests to activate the net by a served agency

2. What name is given to an amateur radio station that is used to connect other amateur stations to the internet?
 - A. A gateway
 - B. A repeater
 - C. A digipeater
 - D. A beacon

3. What is the output waveform of an unfiltered full-wave rectifier connected to a resistive load?
 - A. A series of DC pulses at twice the frequency of the AC input
 - B. A series of DC pulses at the same frequency as the AC input
 - C. A sine wave at half the frequency of the AC input
 - D. A steady DC voltage

4. How many times per second is a new frame transmitted in a fast-scan (NTSC) television system?
 - A. 30
 - B. 60
 - C. 90
 - D. 120

VE News

Test Session

November 5 1700Local
Marbury Baptist Church



Tower safety

3M issued an immediate stop use alert on its 3M™ DBI-SALA® Nano-Lok™ Self Retracting Lifeline with Anchor Hook. The notice urged users to remove the product from service until inspection is performed.

The company issued the following statement:

“As part of 3M Fall Protection’s ongoing commitment to delivering high quality safety equipment, we are notifying our customers of the following information related to specific versions of the 3M™ DBI-SALA® Nano-Lok™ Self Retracting Lifeline with Anchor Hook. 3M Fall Protection has identified a very low potential for the DBI-SALA® Nano-Lok™ Self Retracting Lifeline with Anchor Hook to be assembled with an unformed top swivel eye rivet. An improperly formed rivet may become displaced from the top swivel eye. An unformed rivet may result in the SRL becoming detached from the anchor hook, which could result in severe injury or death. Due to this, we are sending out an inspection notice so this issue can be detected by inspecting the self retracting lifeline as shown below. A copy of this notice can be found here.”

https://insidetowers.com/stop-use-immediately-on-3m-dbi-sala-nano-lok-self-retracting-lifeline/?utm_source=Inside+Towers+List&utm_campaign=b37fcb00fc-EMAIL_CAMPAIGN_2021_10_26_04_24_COPY_01&utm_medium=email&utm_term=0_af16c4fc22-b37fcb00fc-91658617

Stay safe when climbing towers!

Can an Amateur Radio Handheld Stop a Train?

Weatherford (Parker County), Texas, Peach Festival bicycle ride - the Peach Pedal -- is conducted, supported by the cooperative efforts of local amateur radio clubs and their volunteers. TriâCounty Amateur Radio Club of Azle, Texas, performed the preâevent legwork and organized the net control operators, rest stop operators, and the SAG (support and gear) vehicle operators. The forecast was fine.

The net control plan also called for a Parker County RACES operator to work the radios in the Parker County Emergency Operations Center (EOC). This operator would be able to help with radio traffic between the Fire/EMS Dispatchers, the bicycle ride amateur radio net control, and the county Sheriff's deputies performing traffic control at busy intersections. The usual ride startâup radio traffic came and went, and then the calls for SAG began to increase for flat tires, broken chains, muscle cramps, and exhausted riders.

And then, cutting through the steady amateur radio traffic between the net control, rest stops, and SAGs, a SAG radio operator's voice could be heard transmitting, "Emergency, Emergency, Emergency." Mike Burns, KE5NCS, SAG 3 was sweeping the 61âmile course northbound on Bennett Road, following a pilot car and tractor/lowboy trailer with a large piece of equipment. The tractor-trailer high-centered and stopped on the Union Pacific Railroad road crossing. And then Burns heard an eastbound train blowing its horn for the road crossing. Net control Jon Diner, N5JLD, issued a standâby, hold all radio traffic order, and transmitted, "Go ahead with your Emergency traffic, SAG 3."

Burns then transmitted: "Yes, there is a lowboy heavy equipment hauler with a bulldozer on it that just got highâcentered on the railroad tracks at Bennett Road and Goen Road; it can't move, and there is a train coming." In the EOC, the Fire/EMS dispatcher said, "What did he just say?" just as net control N5JLD transmitted, "Please repeat your Emergency traffic."

The EOC Ride Control operator, Thad Weikal, KG5ATD, turned up the radio audio to near maximum so the dispatcher could hear the radio traffic clearly. As SAG 3 KE5NCS was repeating his Emergency traffic, the dispatcher said, "I am getting Union Pacific Railroad on the phone right now." Weikal at the EOC used a Fire/EMS radio to make a county-wide call to the county law enforcement dispatcher: "County, this is EOC Ride Control with Emergency traffic." The county dispatcher replied, "Go ahead with your Emergency traffic, EOC." "County, the railroad tracks at Bennett and Goen Roads are blocked by a tractor-trailer hauling a bulldozer, and there is a train approaching." The EOC dispatcher said, "UâP has put out an all stop on all trains on that track." A County Deputy asked, "EOC, what was that location?" "Bennett Road and Goen Road." "Copy, I am en route," followed by radio silence.

When the EOC dispatcher's phone rang, the dispatcher answered and relayed, "UâP says that they are showing all trains at full stop on that track." Weikal made a radio call to the County dispatcher, saying, "County, this is EOC Ride Control, Union Pacific is reporting all trains at full stop on that track at Bennett Road." "County copies that, EOC." Weikal then made a radio call to the ride net control, N5JLD: "Net control, this is EOC." "Go ahead, EOC." "Net control, Union Pacific is reporting all trains on that track at full stop." "Copy that, EOC." "SAG 3, net control." "SAG 3, go ahead." "SAG 3, EOC is reporting that Union Pacific is showing all trains at full stop on that track at Bennett Road." "Uh...yeah...I can see...that..." -- the eastbound train had stopped 30 yards short of the tractor-trailer. There were no injuries or equipment damage. Weikal reported the road crossing clear 1 1/2 hours later. Yes, an amateur radio handheld can stop a train.

Thanks went out to all amateur radio volunteers and fire/dispatch operators for their quick effort to help narrowly prevent a disastrous collision between a train and a tractor-trailer hauling a bulldozer with a gross weight of 186,000 pounds. -- *Thad Weikal, KG5ATD, Amateur Radio Club of Parker County (Texas) Director*

CCARC Activities

By Jeff – KB3SPH

5 November 2021 – Exam Session at 5:00 PM, Monthly CCARC Meeting at 7:00 PM.

Location: Marbury Baptist Church Hall, 4670 Bicknell Road, Marbury, MD 20658.

Agenda:

*Officer Reports

*Presentation: “Raspberry Pi Amateur Radio Integration” by Bob – KB3KOW

Zoom:

We also plan to have the meeting available via Zoom:

Meeting ID: 863 6824 6772

Passcode: 035167

Join the 5 November CCARC Meeting via desktop/laptop/smartphone:

[https://us02web.zoom.us/j/86368246772?](https://us02web.zoom.us/j/86368246772?pwd=UUhIVjVtSm9wQ3pmN05DYmx4YytKZz09)

[pwd=UUhIVjVtSm9wQ3pmN05DYmx4YytKZz09](https://us02web.zoom.us/j/86368246772?pwd=UUhIVjVtSm9wQ3pmN05DYmx4YytKZz09)

Dial in via landline/cell phone and follow voice prompts:

301-715-8592

7 November 2021 – Remembrance for CCARC member and train enthusiast Art Audley - AA3RT, SK at 10:30 AM. **Location:** La Plata Train Station Museum, 101 Kent Ave, La Plata, MD 20646.

3 December 2021 – Monthly CCARC Meeting at 7:00 PM. **Location:** QTH of Pam – KB3SWS & Jeff - KB3SPH. Details pending on Dessert Potluck and Door Prizes.

7 January 2022 – Monthly CCARC Meeting at 7:00 PM. **Location:** Marbury Baptist Church Hall, 4670 Bicknell Road, Marbury, MD 20658. Other details pending.

Advanced Technical Information Online

By Bob, NW3M

Last time, the information I passed along was on station grounding. Hopefully, if you've been experiencing ground loops or other issues with grounding, you found some useful information to solve your troubles.

This month we'll tackle a related malady, RFI in the shack caused by your own station. It could be as basic as the kids getting annoyed hearing you talking on your radio through their computer speakers.

There are a myriad of ways that RFI can manifest itself in modern electronic equipment and our own radios. From a television screen that goes blank while you're talking, to a radio that breaks into oscillation whenever you say a word with the letter 'P'. Or maybe the wife's touch lamp beside her chair where she reads novels is constantly changing brightness while you talk. You'll definitely not make friends when your neighbor's computer reboots every time you get on the air.

How does this happen? How can it be stopped or prevented? This month's offering delves into both questions with in-depth explanations.

Most hams, when faced with a complaint that their station is causing RFI, mistakenly think there is something wrong with their radio equipment. More often than not the radio equipment and antennas are working properly. Yet, they get complaints every time they get on the air.

In most cases the RFI is actually being generated inside the device experiencing the problem. Often this is due to poor design and insufficient preventive measures. The article shared this month discusses the various methods to remedy RFI.

Diagnosing the cause and solution to RFI can be a daunting task. Armed with the knowledge gained from this article you can plan tests to determine the source of the RFI. Once the source is identified, you will be able to test for the cause. That information will then drive the method for solving the problem.

<http://audiosystemsgroup.com/RFI-Ham.pdf>

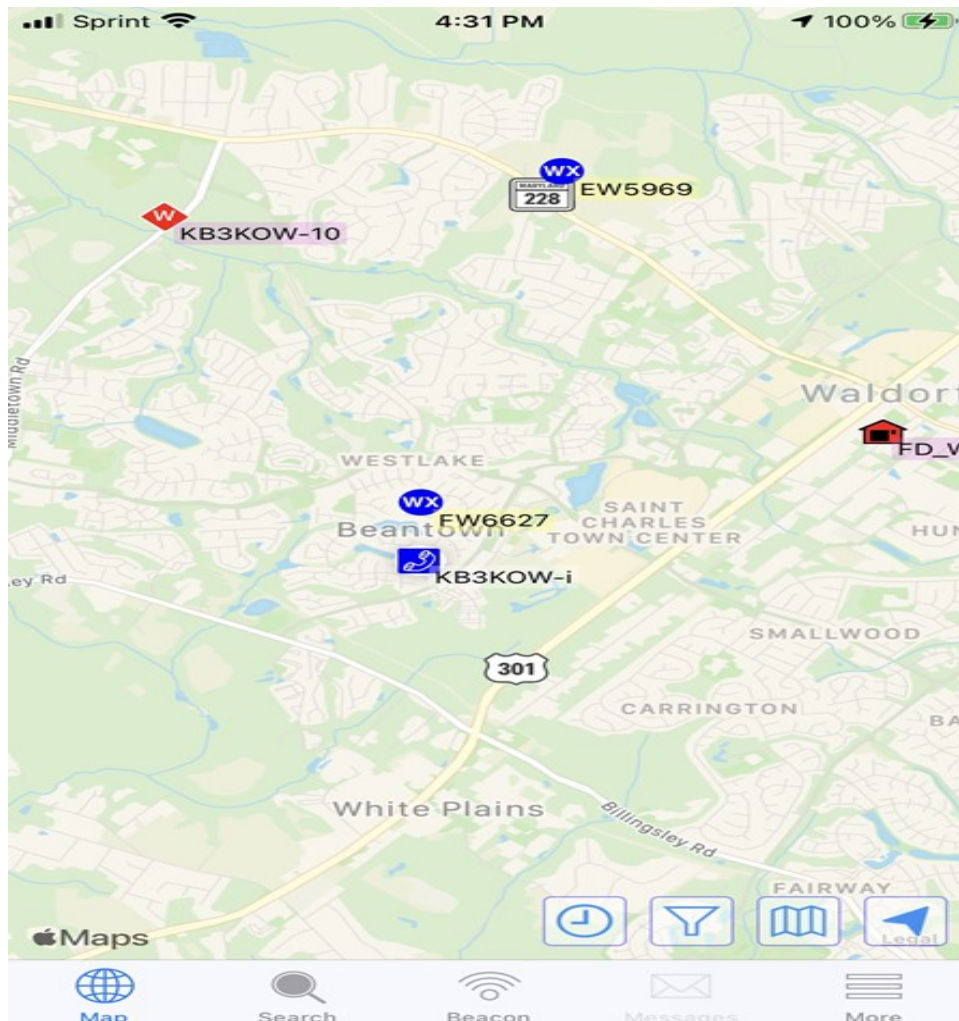


ARES Corner

The Automatic Packet Reporting System ® (APRS) is often viewed as a way to track vehicles and send short text messages. Of course, many realize this means having a TNC or packet capable rig along with a GPS. You may have these on a permanent or semi-permanent basis in your car, but what if you had taken them out to support a club event and then have to hit the road the next morning and time didn't allow you to get everything back in place?

Well, luckily we now have various cell phone apps that can beacon our APRS position and normally, they are free. The app for this short discussion is from aprs.fi and is in the Apple Store and while free, you do need to create an account that includes your call sign.

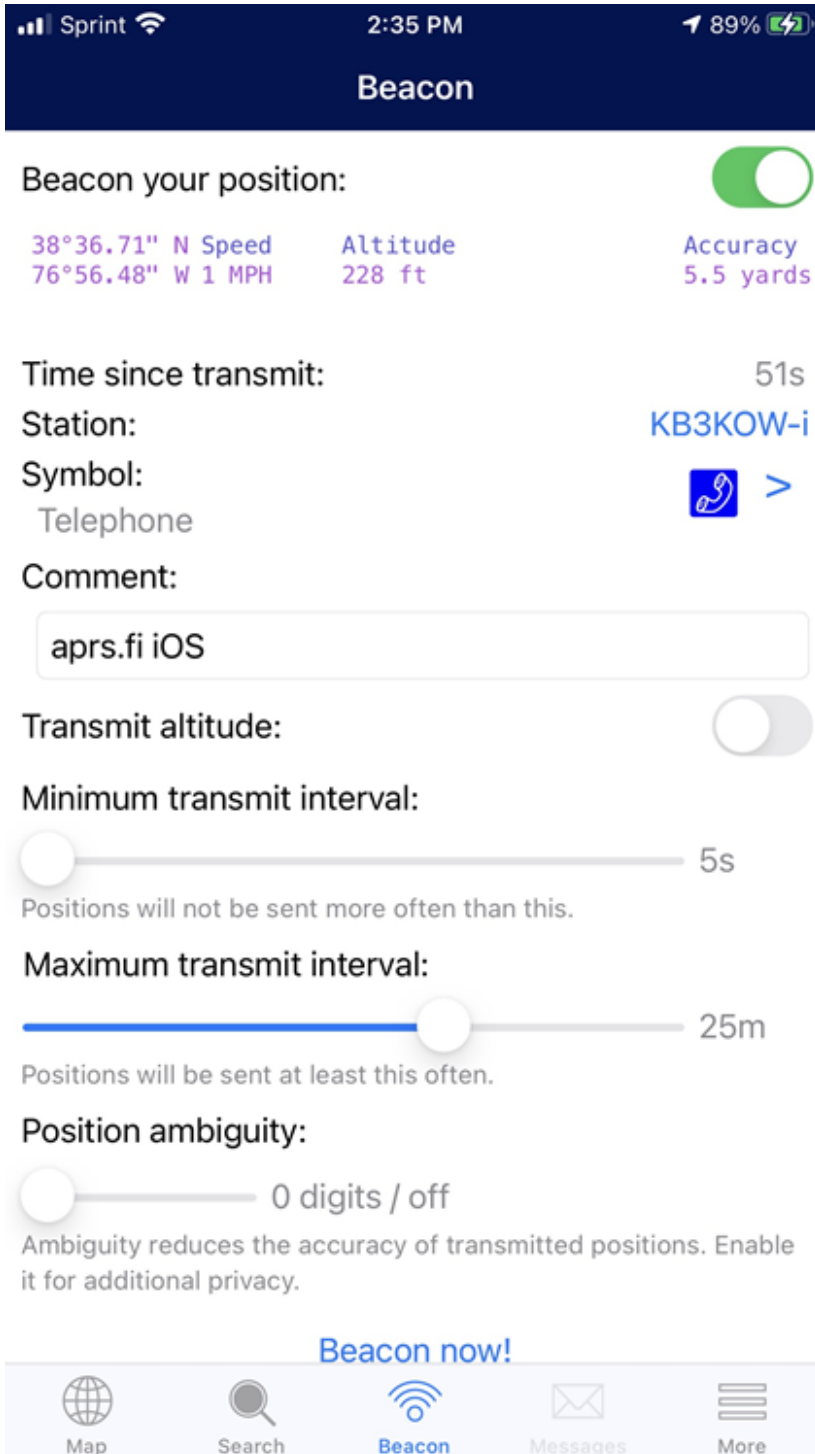
One the app is installed, start it like any other app and you're presented with a map view. The initial area is Europe, so after some finger swiping and the scrolling, I zoomed in on the Waldorf area and my last ping:



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Setting up your beacon is as easy as tapping on the 'Beacon' icon on the bottom of the screen. You're then presented a configuration screen where you can turn your beacon on and off, select a min and max time to beacon and select your symbol.



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You can also search for any stations who may be pinging APRS:

Position

Received	2021-09-23 11:51:11 EDT / 38d 5h7m
Latitude	38°42.91" N
Longitude	76°50.38" W
Speed	17 MPH
Course	165 °
Altitude	240 ft
Distance	9.0 miles
Bearing	38°
Position resolution	21 yards
Location	Brandywine, MD, United States

Properties

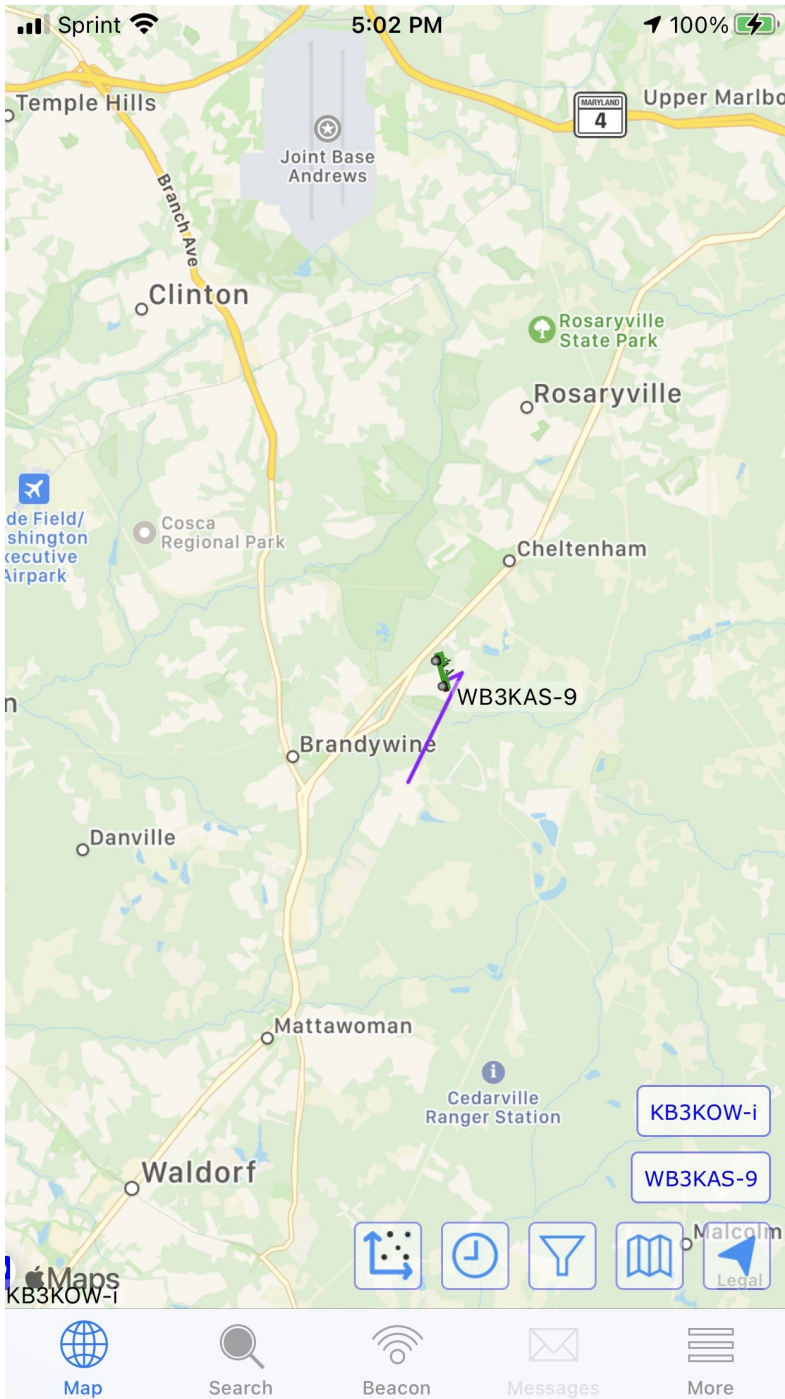
Station type	APRS station
Symbol	Jeep
Destination callsign	SX4R9Q
Packet path	W4VA-10*;qAR,KA4RRU
Device	Kenwood: TM-D710 (rig)

Map Search Beacon Messages More

If you now click on the 'Track' link near the icon, you'll be taken back to the map with the station and the track displayed for the past 1 hour (the default setting):

(Continued on page 11)

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There are a lot of options available on the app and you can also make use of the www.aprs.fi web site to track anyone who may be pinging.

While I can't verify it due to my phone, the app called APRSDroid, which is for the Android devices, appears to provide similar capabilities.

Bob Davidson KB3KOW

STEAM Festival

The Charles County Amateur Radio Club joined with the St. Mary's Amateur Radio Club to set up a special event station at the St Mary's STEAM festival. October 30 was mostly sunny after the heavy rains and winds of the 29th. We noted a decrease in the attendance and attributed it to partly the Covid and partly to that weather issue of the 29th. We did not have many kids come by, but a couple of hams/potential hams.

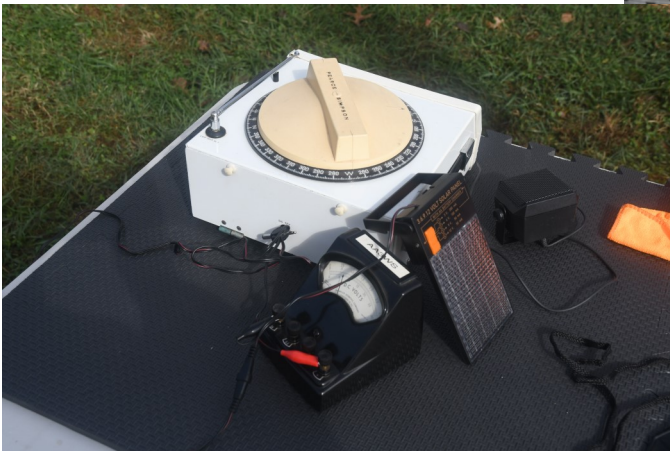
Jim KB3KAS & Michelle N3YRZ photo by Pam KB3SWS->



Rob N2OMC and Bob KB3KOW, set up stations. We made only 6 contacts though as there was a lot of interference both naturally and manmade. We were placed by the line dancing group, so we competed with alternately drums and a boom box.

Jim Montgomery KB3KAS stopped by to visit and took some photos for us. Thanks, and good to see you.

Photo of special event station W3S at STEAM fest Bob KB3KOW, Rob N2OMC, Michelle N3YRZ



photos by Jim Montgomery KB3KAS

Part of the display at STEAM Chuck discusses binoculars at STEAM

Below: Jeff KB3SPH mans the SMAS setup at STEAM fest



Bob's gone solar



Steve Mack Jeff KB3SPH
Chuck AA3WS

Photo by
Pam
KB3SWS

Rob
adjusts
radio



Contests in November

NCCC RTTY Sprint	Every Thursday		CQ-WE Contest	13 to 15
NCCC Sprint	Every Friday		PODXS 070 Club Triple Play Low Band Sprint	13 to 15
K1USN Slow Speed Test	Every Sunday		AWA Bruce Kelley 1929 QSO Party	13 to 15
Worldwide Sideband Activity	Every Tuesday		FIRAC HF Contest	14
RTTYOPS Weeksprint	Every Tuesday, Thursday		Classic Exchange Phone	14 to 17
Phone Weekly Test - Fray	every Wednesday		4 States QRP Group Second Sunday Sprint	15
CWops Mini-CWT Test	Every Wednesday, Thursday		All Austrian 160-Meter Contest	16 to 20
EACW Meeting	Every Thursday		NAQCC CW Sprint	18
Silent Key Memorial Contest	1		Walk for the Bacon QRP Contest	18 to 19
RSGB 80m Autumn Series Data	1		YO International PSK31 Contest	19
ARS Spartan Sprint	2		Feld Hell Sprint	19 to 20
UKEICC 80m Contest	3		RSGB 1.8 MHz Contest	20
VHF-UHF FT8 Activity Contest	3		ARRL EME Contest	20 to 21
NRAU 10m Activity Contest	4		LZ DX Contest	20 to 21
Walk for the Bacon QRP Contest	4		REF 160-Meter Contest	20 to 21
SKCC Sprint Europe	4		SARL Field Day Contest	20 to 21
IPARC Contest CW	6		ARRL Sweepstakes Contest SSB	20 to 22
Two-Meter Classic Sprint	6		AWA Bruce Kelley 1929 QSO Party	20 to 22
Ukrainian DX Contest	6 to 7		FISTS Sunday Sprint	21
ARRL Sweepstakes Contest CW	6 to 8		Homebrew and Oldtime Equipment Party	21
IPARC Contest SSB	7		Run for the Bacon QRP Contest	21 to 22
High Speed Club CW Contest	7		SKCC Sprint	24
RSGB 80m Autumn Series SSB	10		UKEICC 80m Contest	24
VHF-UHF FT8 Activity Contest	10		RSGB 80m Autumn Series CW	25
FISTS Saturday Sprint	13		CQ Worldwide DX Contest CW	27 to 28
Day of the YLs Contest	13 to 15		RSGB FT4 Contest Series	29
10-10 Int. Fall Contest Digital	13 to 14		QCX Challenge	29 to 30
WAE DX Contest RTTY	13 to 14			
JIDX Phone Contest	13 to 14			
OK/OM DX Contest CW	13 to 14			
RCA Transatlantic QSO Party	13 to 14			
SKCC Weekend Sprintathon	13 to 14			
SARL VHF/UHF Analogue Contest	13 to 14			

Wide area Ragchew session

The Saint Mary's County Amateur Radio Association is hosting a monthly, informal ragchew session via Zoom for hams in the surrounding counties. The idea is to just get together to chat about what's going on, activities, etc. **once a quarter**. We'll pick it back up on on the 2nd Thursday in Jan, 1/13/22.

AGENDA:

- Everyone is invited and welcomed from anywhere in the MDC area (southern Maryland, Northern Neck, eastern shore of Maryland, etc.)
- Open chat – who is doing what, club news from all areas, how can we work together better to keep ham radio a growing, viable hobby, sharing of news about upcoming ham events, meet new people!
- Please keep all discussions related to ham radio activities!

JOINING THE GROUP (there are 3 different ways to join in on the meeting):

1 – Click on this QUICK LINK:

<https://us02web.zoom.us/j/8673965998?pwd=Q2lUL05PTVB3RnEvUkZPNmlKUFJ3QT09>

2 – Open up the ZOOM app on your computer or device and:

Select 'Join Meeting' button and type in the meeting ID and password:

Meeting ID: 867 396 5998 Meeting Password: 1460464

3 – Use your regular telephone (no computer needed, voice only, no video):

Dial 1-301-715-8592 (US) – Follow the voice prompts... enter the Meeting ID followed by the # (pound) symbol; then enter your participant ID (if applicable) followed by #; then enter the meeting password followed by #

Contact information: Rob Hoyt, N2OMC – SMCARA President/ host robhoyt32@yahoo.com

Please note change in date to quarterly



Special events in November

11/01/2021 | 46th Anniversary, Sinking of the SS Edmund Fitzgerald

Nov 1-Nov 15, 0000Z-2359Z, W8F, Livonia, MI. The Livonia Amateur Radio Club. 14.040 14.240 7.040 7.240. Certificate. Mike Rudzki N8MR, 14071 Fairway Street, Livonia, MI 48154. On Saturday Nov.13, W8F will operate "live" from the Dossin Great Lakes Museum, Detroit MI 1600-2030 UTC. SEE QRZ W8F page for NEW QSL INFO livoniaarc.com

11/01/2021 | Veterans Day 2021

Nov 1-Nov 15, 0000Z-0000Z, N5VET, Cleburne, TX. Club KC5NX. 14.255 14.045 7.240 7.235. QSL. Club KC5NX, 9200 Summit Ct. W, Cleburne, TX 76033. N5VET is again operating for 15 days during our Veterans Day Special Event.... QSL to KC5NX.. We will be on most all bands and using most modes... Always a great Event.. come join us. www.qrz.com/db/kc5nx, jay.n.violet@gmail.com or www.qrz.com/db/n5vet

11/03/2021 USCG Auxiliary Birthday 82 K6B, K2G

11/04/2021 150th Anniversary Of The Wickenburg Massacre

11/05/2021 | Special Event 13th Annual Veteran Honor Guard Vigil at the Ottawa IL War Memorial

Nov 5-Nov 6, 2300Z-2200Z, W9TAL, Ottawa, IL. The American Legion Post 33 ARC Ottawa, IL. 7.200 3.900. QSL. Joe Tokarz TALARC Post 33, 901 LaSalle St., Ottawa, IL 61350-4223. For the 13th year, 96 military veterans, family and friends will stand guard for 15 minute segments during this period at the Ottawa IL War Memorial. QSL SASE. www.ottawaalpost33.com

11/06/2021 | SFARC Angel Island OTA Trifecta

Nov 6, 1830Z-2115Z, W6P, Larkspur, CA. San Francisco Radio Club. 7.178 7.202 14.275 14.328. QSL. Antonis Papatsaras, 48 Bayo Vista Avenue, Larkspur, CA 94939. VHF/UHF www.sfarc.org

11/06/2021 | Veterans Day Salute To The USO

Nov 6, 1400Z-2200Z, K5U, McKinney, TX. McKinney Amateur Radio Club. 14.322. QSL. Dave Marking, 6710 Virginia Pkwy Ste 215 PMB 52, McKinney, TX 75071. <https://www.qrz.com/db/K5U>

11/07/2021 | Mill Mountain Star

Nov 7, 1400Z-2000Z, W4CA, Roanoke, VA. Roanoke Valley ARC. 14.265 7.265. QSL. Roanoke Valley ARC, P.O. Box 2002, Roanoke, VA 24009. Commemorating the Roanoke Star on Mill Mountain. Shining its light on the city below since November 1949 and giving the nickname "Star City of the South" to Roanoke, Virginia. w4ca.com/special-events

11/09/2021 | Hedy Lamarr Day 2021

Nov 9-Nov 10, 1700Z-0100Z, N9H, Rochester, NY. W2JLD. ROC-HAM/EchoLink 531091; Allstar 2585,47620,47918; other EchoLink conferences will be connected for this. QSL. John Derycke, W2JLD, 85 Amherst St. Apt. 2, Rochester, NY 14607. SASE please. <https://www.roc-ham.net>

11/09/2021 116th anniversary of Father Josef Murgas's first public demonstration K3M

11/10/2021 | 158th Anniversary of Lincoln's Gettysburg Address

Nov 10-Nov 20, 1200Z-2330Z, WO4L/W1G, East Berlin, PA. Robert Hess. 7.185 14.288 3.830 18.155. Certificate & QSL. Robert Hess, 74 Curtis Dr, East Berlin, PA 17316. Beautiful full color 11 x 14 Certificate and or a QSL Card available please see QRZ page for WO4L or W1G, for instructions.. and any previous Certificates still available watch spotting nets to see where we are...DX SUMMIT bigbob7388@gmail.com

11/12/2021 | USS Cobia WWII Submarine Celebrating Veterans Day

Nov 12-Nov 13, 1400Z-2100Z, NB9QV, Manitowoc, WI. USS Cobia Amateur Radio Club. 7.240 +/- 14.240 +/- . QSL. Fred Neuenfeldt W6BSF, 4932 S. 10th St., Manitowoc, WI 54220. QSL to W6BSF with SASE #10. www.qrz.com/db/NB9QV

11/12/2021 | Windycon 47

Nov 12-Nov 14, 1700Z-1200Z, W9W, Lombard, IL. DuPage Amateur Radio Club. 14.270. Certificate. DuPage Amateur Radio Club, P.O. Box 71, Clarendon Hills, IL 60514. http://www.w9dup.org/special_events.html

11/12/2021 First Transatlantic Amateur Radio Two Way K3S

11/12/2021 Stuart Air Show N4A

11/13/2021 | 102nd Anniversary of Armistice

Nov 13, 0800Z-1800Z, WW1USA, Kansas City, MO. National World War 1 Museum and Memorial. 7.030 7.250 1.4030 14.250. QSL. C/O Charles Van Way, NOCVW, National World War 1 Museum and Memorial, 2 Memorial Drive, Kansas City, MO 64108. Direct questions to: ww1usa@theworldwar.org <https://www.theworldwar.org/amateurradio>

11/13/2021 | Cherokee County Veteran's Appreciation Day

Nov 13, 1500Z-2100Z, WX4SC, Gaffney, SC. Carolina Amateur Radio Emergency Services (C.A.R.E.S.). 7.225 145.150(no tone). Certificate. C.A.R.E.S., P.O. Box 8006, Gaffney, SC 29340. ki4mjk@gmail.com or <https://www.facebook.com/Carolina-Amateur-Radio-Emergency-Services-230499684304071>

11/13/2021 | Downey Amateur Radio Club 70th Anniversary

Nov 13-Nov 14, 1700Z-0000Z, W6TOI, Downey, CA. Downey Amateur Radio Club, Inc.. 28.425 21.325 14.270 7.225. Certificate. Downey Amateur Radio Club, P.O. Box 207, Downey, CA 90241. This is DARC 70th anniversary special event station celebrating 70 continuous years of service to Downey and the surrounding communities. <https://darcarc.wordpress.com>

11/13/2021 | Hillsboro Lighthouse Special Event Station

Nov 13, 0900Z-1400Z, NB4RC, Deerfield Beach, FL. North Broward Radio Club. 14.280 14.270 14.260 14.250. QSL. NB4RC, 4116 NW 1 St., Deerfield Beach, FL 33442. joeyjet.com/index.php/amateur-radio/nb-radio-club

11/13/2021 | USS Midway Museum Ship Special Event: Celebrating Veterans Day and US Marine Corps Birthday

Nov 13, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 PSK and CW on various HF bands DSTAR on various reflectors. QSL. USS Midway Museum Ship COMEDTRA, 901 N Harbor Drive, San Diego, CA 92101. Please check spotting networks to find us on HF. Consult www.dstarusers.org to find our call sign NI6IW and Reporting Note to see what reflector we're using. Note: Typical QSL turn-around time is 4 to 6 weeks after receiving request with SASE. www.qrz.com/db/ni6iw

11/13/2021 L.I. Super-Fun Contest Reunion W2A

11/17/2021 | 2021 Hammarlund Radio Hullabaloo

Nov 17-Nov 19, 0800Z-2000Z, W4H, Mars Hill, NC. High Appalachian Mountain Amateur Radio Society. 7.250 14.250 14.045 14.071. QSL. Jerry Robinson, P.O. Box 366, Mars Hill, NC 28754. hamars.club

11/17/2021 | NRA's 150th Birthday Party

Nov 17, 1500Z-2359Z, K7GST, Prescott, AZ. Yavapai Amateur Radio Club. 21,3325 14.250 14.040 7.250. Certificate. E-Certificate, or direct to: YARC, P.O. Box 11994, Prescott, AZ 86304. 9X12 SASE. See website for details. Times 1500Z to 2400Z. www.w7yrc.org/nrabirthday

11/19/2021 Radio Under Sun Shade N7Q

11/20/2021 | WHOA weekend

Nov 20, 1400Z-2000Z, W1M, Russell, MA. Western Mass Council--BSA. 7.060 7.250 14.060 14.250. QSL. Tom Barker, 329 Faraway Road, Whitefield, NH 03598. Camp/outdoor program that introduces young people to various season related activities including outdoor skills and some STEM activities. Paper logging, eqsl and usps for qsl card.

11/20/2021 | Wings Over the Rockies Exploration of Flight

Nov 20, 1300Z-2100Z, W0R, Parker, CO. Parker Radio Association. 7.222 14.222. QSL. Parker Radio Association, PO Box 3241, Parker, CO 80134.

11/20/2021 Alyson Orchard NH Portable Moonbounce N1H

11/22/2021 100th Anniversary of the First Live Radio Coverage of the UT - A&M Football Game N5B, N5U

11/30/2021 | Last Day of Hurricane Season 2021 and Volunteer Recognition

Nov 30-Dec 5, 1600Z-2300Z, W5C, Carol Stream, IL. Cajun Navy Relief Amateur Radio Club. 14.250 7.250 D-STAR DSC/ XLX 256i JS8Call. QSL. Cajun Navy Relief Amateur Radio Club, 681 Paxton Place, c/o Thomas Sarlitto, Carol Stream, IL 60188. With the end of Hurricane Season 2021 and to thank the men and women who volunteer their time and efforts with the Cajun Navy Relief. We dedicate this Special Event to these men and women who volunteer long hours and risk their own lives to assist in helping save individuals and property in communities that are affected by natural disasters. Through fundraising efforts and community awareness, Cajun Navy Relief also gives back to the communities that they have served after disasters have struck. For a Special Event QSL Card, please send a #10 SASE to: Cajun Navy Relief ARC, c/o Thomas Sarlitto, 681 Paxton Place, Carol Stream, Illinois 60188. Please visit our website for more information on this Special Event Station. <https://www.cajunnavyrelief.com/W5CNR>

Special Event review

I suppose most of us are old enough to know the song by Gordon Lightfoot, "The Wreck of the Edmund Fitzgerald".

https://www.youtube.com/watch?v=PH0K6ojmGZA&ab_channel=GordonLightfoot-Topic

Livonia Amateur Radio Club operates Special Event Station W8F, November 1 to 15, commemorating the sinking of the "Mighty Fitz". November 13 will be from Belle Isle State Park and will be a POTA (Parks on the Air) activation, K-1487

She sank November 10, 1975, taking all the crew of 29 to a watery grave in Lake Superior. The wreck was located Nov 14, 1975, by US Navy aircraft and shortly after was known to be in 2 large pieces. The bodies were never removed.

The ship was a large freighter, carried iron to Detroit from Minnesota. She set seasonal records and her captain; Peter Pulcer was famous for piping music to entertain boat watchers.

On the fatal voyage from Superior WI to Detroit, she, along with SS Arthur M Anderson, were caught in a storm. Hurricane force winds and waves of 35 feet was enough to sink the ship at 7:10 PM in Canadian waters. Although she told the Anderson of a list, heavy seas over the deck, and loss of radar; no distress call was sent.

She was built in 1958, and earned a safety award in 1969, for eight years of operation without a time-off worker injury. Not that she hadn't had some mishaps: ran aground (1969), collided (1970), struck a lock (1973 & 1974), lost original bow anchor(1974) but nothing considered unusual or serious.



Figure 1. Probable tracklines of SS EDMUND FITZGERALD and SS ARTHUR M. ANDERSON on November 10, 1975.

SS *Edmund Fitzgerald* under way & National Transportation Safety Board map of probable course of *Edmund Fitzgerald* and *Arthur M. Anderson*

The forecast was not unusual for November and the National Weather Service (NWS) predicted that a storm would pass just south of Lake Superior by 7 a.m. on November 10. The NWS altered its forecast at 7:00 p.m., issuing gale warnings for the whole of Lake Superior. *Anderson & Fitzgerald* altered course northward seeking shelter along the Ontario shore. At 2:00 a.m., NWS upgraded its warnings from gale to storm. *Arthur M. Anderson* logged winds of 50 knots wind speeds, it began to snow at 2:45, reducing visibility; and lost sight of *Edmund Fitzgerald*, which was about 16 miles ahead at the time. United States Coast Guard (USCG) warned all shipping that the Soo Locks had been closed and they should seek safe anchorage. *Edmund Fitzgerald*, effectively blind, slowed to within a 10-mile range so she could receive radar guidance from the other ship. *Arthur M. Anderson* directed *Edmund Fitzgerald* toward the relative safety of Whitefish Bay. At 4:39 USCG indicated that Whitefish

(Continued on page 19)

Point light and navigation beacon were inactive

At approximately 7:10, "We are holding our own" was the last received transmission. The radar signal, or "pip" of the Fitzgerald kept getting obscured by sea return. And around 7:15 pm, the pip was lost again, but this time, did not reappear. Clark called the Fitzgerald again at about 7:22 pm. There was no answer. USCG was notified 7:39. Lacking appropriate search-and-rescue vessels to respond to *Edmund Fitzgerald's* disaster, at approximately 9:00 p.m., the USCG asked *Arthur M. Anderson* to turn around and look for survivors, and at 10:30 p.m., all commercial to assist. Lifeboats were among the debris, but no survivors or bodies.

There are a few theories on what caused the ship to sink. One simulation by NOAA and NWS showed wind speeds of 40-43 knots around the *Edmund Fitzgerald* (waves of over 25 feet with 1 in 100 waves being 36 feet and 1 in 1000 - 46 feet). The Anderson recorded winds of 50 knots echoing the simulator analysis. The further simulation showed winds of 61 knots with gusts of 75 knots at the location of the *Edmund Fitzgerald* at the time it sank.

A 2nd thought is that the 3 rogue waves (called 3 sisters) may have been the cause. The repeated larger than normal waves caused a cumulative effect as the deck couldn't drain between them. Another is hatches not closing effectively, may have allowed flooding in the cargo hold area. USCG Marine Casualty Report list this as the cause while the NTSB said it was shoaling (raked a reef) due to lack of aid in navigation (no light or beacon). A 1976 Canadian hydrographic survey discovered a shoal in exact area. Maritime authors Bishop and Stonehouse based on higher quality of detail in Shannon's 1994 photography of *Edmund Fitzgerald's* overturned stern showed "no evidence on the bottom of the stern, the propeller or the rudder of the ship that would indicate the ship struck a shoal

The day after the wreck, Mariners' Church in Detroit rang its bell 29 times, once for each life lost. The ship's bell was recovered from the wreck on July 4, 1995. A replica engraved with the names of the 29 sailors who lost their lives replaced the original on the wreck.

For books, videos, and memorabilia about the Fitzgerald, her loss, and her legacy, visit the [Shipwreck Coast Museum Store](http://www.shipwreckmuseum.com) online

<https://www.shipwreckmuseum.com/edmund-fitzgerald/the-fateful-journey/>

<https://www.michiganseagrant.org/lessons/lessons/by-broad-concept/earth-science/datasets/the-storm-that-sunk-the-edmund-fitzgerald/>

https://en.wikipedia.org/wiki/SS_Edmund_Fitzgerald

SS Edmund Fitzgerald 46th Anniversary Special Event **W8F NOVEMBER 1-15, 2021**

FOR W8F CERTIFICATE:

Send SASE with sufficient return postage (large for unfolded, business size for folded) to **N8MR** (address on QRZ and ARRL lookups). To process your request, we will need QSO data - Your Call, Date, UTC TIME, Band, Mode

Please visit the [The Livonia ARC website](http://www.livoniaarc.com) and our [Facebook page](https://www.facebook.com/K8UNS), Twitter- @K8UNS.
club email: info@livoniaarc.com



Charles County Amateur Radio Club Meeting Minutes

October 1, 2021

Officers Present:

President – Unable to Attend
Vice President Bob Davidson KB3KOW
Treasurer – Pamela Humbert KB3SWS
Activities – Jeff Humbert KB3SPH
Secretary – Charles Hallock AA3WS

Members Present:

Bill Koustens - WB3CII
Bob Denny – N3BD
Christin Lockhart - KC3SRG
Calvin Lockhart II – KC3RAN
Pat Hinman – KB3UYZ J
ay Howard – KC3MUV
Bill Luyster - W8BL

Meeting opened 1910 Hours.

Vice President Bob Davidson KB3KOW opened the Meeting at the Marbury Baptist Church Social Hall. The meeting was also displayed on Zoom. Bob welcomed the guest and members. Bob advised the members and guest that the next meeting would be at the Marbury Baptist Church Social Hall on November 5, at 1900 Hours. Additionally he advised there will be a Test Session prior to the Meeting.

Treasurer:

Pamela Humbert KB3SWS, gave the October Treasurer's Report. The October's Treasurer Report was approved.

Activities Manager:

Jeff Humbert KB3SPH reported on the following upcoming activities:

5 November 2021 – Exam Session at 5:00 PM, Monthly CCARC Meeting at 7:00 PM at the Marbury Baptist Church Hall, 4670 Bicknell Road, Marbury, MD 20658.

7 November 2021 – Remembrance for CCARC member and train enthusiast Art Audley - AA3RT, SK at 10:30 AM. **Location:** La Plata Train Station Museum, 101 Kent Ave, La Plata, MD 20646.

Secretary:

Minutes for the September's Meeting are published in the Monthly New Letter. The September Minutes were approved. Charles thanked Ms. Pam for taking September Minutes.

Old Business

None

(Continued on page 21)

New Business

Vice President Bob requested the Clubs in interested in having a Christmas Party this year. Ms. Pam KB3SWS volunteered the use of their house for the Party. The group consensus was to have the Party at the Humbert's house on December 3, 2021, at 7:00 PM. The members approved up to \$300.00 for the Christmas Party.

Presentation

Jeff KB3SPH gave a demonstration on his "Arduino Multi-Use Radio Service (MURS) Alert Project".

Members:

Pam – KB3SWS contacted Rob Hoyt – N2OMC, President of St. Mary's County Amateur Radio Association (SMCARA), regarding a joint display and special event station between the two clubs. SMCARA asked CCARC to take the lead on the event, because Rob does not know how many or if he can get anyone from SMCARA to participate.

Closing:

A motion was made and seconded to close the meeting. The motion passed at 2045 Hours.

Charles Hallock AA3WS / Secretary



Amateur Radio terms beginning with S

S	E	A	I	T	S	I	L	E	N	T	K	E	Y
M	E	H	C	T	I	W	S	S	I	N	G	L	E
L	E	O	S	C	H	E	M	A	T	I	C	N	T
S	E	L	E	C	T	I	V	I	T	Y	T	V	X
O	S	R	E	T	T	A	L	P	S	C	A	T	N
I	S	P	A	C	E	S	S	I	M	P	L	E	X
S	U	N	S	P	O	T	T	I	S	E	S	E	C
P	S	M	S	P	U	R	I	O	U	S	O	V	U
K	A	I	S	F	C	S	I	D	E	B	A	N	D
C	F	A	Y	T	I	V	I	T	I	S	N	E	S
A	E	S	W	R	E	S	K	I	P	Z	O	N	E
H	T	E	V	A	W	Y	K	S	U	T	T	I	E
S	Y	S	H	O	R	T	C	I	R	C	U	I	T
C	A	O	I	S	N	O	I	T	A	T	S	F	T

SCHEMATIC
 SPURIOUS
 SENSITIVITY
 SKYWAVE
 SWR
 SUNSPOT
 SINGLE
 SPACE
 SAFETY
 SPLATTER
 SKIPZONE
 STATION
 SELECTIVITY
 SIDEBAND
 SHACK
 SILENTKEY
 SWITCH
 SHORTCIRCUIT
 SIMPLEX

BY AG5T

Play this puzzle online at : <https://thewordsearch.com/puzzle/2924301/>

Thanks to Martin Blaise AG5T for the new puzzle for the newsletter.

ANSWERS

Answers to practice questions 1 A 2 A 3 A 4 A

WANT ADS, FOR SALE, &

PUBLIC SERVICE ANNOUNCEMENTS:



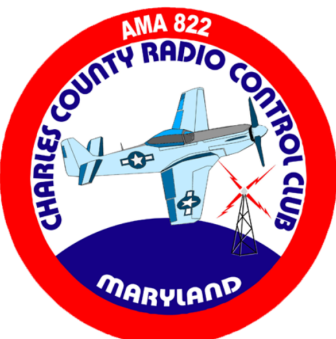
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TrotSar Mounted Search Team
21218 Dorsey Spring Place
Germantown, MD 20878
Pete KC3SBN Commander



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Weekday operations 7:30 am to 2:00 pm
Weekend operations 8:00 am to 12:00 pm, East Coast time
<http://www.ecars7255.com/FrontPageLinks/ECARSOrganization/info.htm>



Meetings, nets, & contacts

- First Friday- Monthly meeting @ 7 PM/1900
- Net-Wednesdays 8:30 PM local 147.195 MHz, + 600 , PL
- 156.7 EchoLink KB3KOW-R
- PO BOX 169, La Plata, MD 20646
- President: Bob Curran NW3M flyingham@verizon.net
- Vice-president: Bob Davidson rdavidson@aceweb.com
- Secretary: Charles Hallock AA3WS selbynet@hotmail.com
- Treasurer: Pam Humbert KB3SWS *humbertpj@gmail.com*
- Activities: Jeff Humbert KB3SPH humbert1js@gmail.com
- Newsletter Michelle Sack N3YRZ msack@verizon.net
- VE Coordinator Bob Curran NW3M

We're on
the web

[http://
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