

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 80 * September 2022



Delta Amateur Radio Club (DARC)

Sparks Newsletter

Website: <http://deltaclub.org>

Facebook:

<https://www.facebook.com/darcmem>

W4BS

REPEATER SYSTEM

82 Repeater Down - Delta Club Information
Net on Alternate Repeater 443.700

146.820 ^{-107.2}	* 147.360 ^{+107.2}
146.625 ^{-107.2}	443.200 ^{+107.2}
224.420 ^{-107.2}	443.700 ^{+107.2}
144.390 Digipeater	*Fusion

We plan to meet this month **via in-person and via “ZOOM”**. The air conditioning system may not be functioning for the meeting.

This month's meeting begins at 7:00pm on September 13, 2022 at Ellendale Church of Christ, 7365 Highway 70 in Memphis, TN (1 ½ miles north of Highway 64 / Stage Road) and via ZOOM accessible with the link below.

Program: “How to get started with CW” by various club members, featuring a video by the Long Island CW Club

Join Zoom Meeting

<https://us02web.zoom.us/j/88354601388?pwd=VIINQ292VGU3Q01IZGI1TFZXRN0Y0dz09>

Meeting ID: 883 5460 1388

Passcode: 041257

One tap mobile

+13017158592,,88354601388#,,,*041257# US (Washington DC)

+13126266799,,88354601388#,,,*041257# US (Chicago)

There will be FCC Testing Tuesday night.

VE TESTING: Don't forget the monthly ARRL Volunteer Examiner testing session prior to in-person meetings. Registration begins at 5:30 PM and testing begins by 6:00 PM. Please remember to bring two (2) forms of identification, at least one a photo ID, and copies of any existing licenses or CSCE's you might have. Please be on time for registration, as you will not be allowed to enter the testing session after 6:00 PM. This is to allow our volunteer VE team to finish in time to attend the club meeting. Candidates MUST have an FCC Federal Registration Number (FRN) BEFORE coming to the testing session. For more VE testing, or FCC FRN information, please contact:

Bob Vawter, KW4RJ, VE Liaison

Phone: 901-438-4563

Email: KW4RJ@ARRL.net

Announcements

No A/C in the Fellowship Hall Meeting Room

If you are attending the in-person part of the September Delta Club Membership meeting, be advised that there is NO AIR CONDITIONING in the meeting room! The A/C in lower level of the fellowship hall has stopped working and apparently in the process of being replaced. The weather forecast is favorable and we will have multiple fans in the room to help with air flow. There will also be water and other drinks available to help keep us cool. We believe it should be okay. However, if you are more sensitive to hotter temperatures, please consider staying home and participating in the Zoom portion of the meeting.

Looking for alternative location for November membership meeting

The November 8 membership meeting falls on Election Night. Since the Ellendale Church of Christ Fellowship Hall is used as an Election Day Polling Site, we are unable to use our normal in-person meeting place for that month's meeting. We could, and we may, fall back on Zoom-only that month, but we would like to consider other in-person options. If you have connections to a church or location that would be big enough to hold 30-50 people for a meeting on Tuesday, November 8, please email Mary Jean Hall KY4FB at ky4fb@arrl.net by the end of September.

YL Net on Break

The YL Net is on a break until further notice. Please consider checking in to the Delta Club Nightly Information Net for up-to-date information.

2023 Board of Directors Needed

The 2023 Delta Club Nominating Committee has been formed and it consists of John Reiners KN4BVH (kn4bvh@comcast.net) as Chairman, Perry Hayes N4GJ (N4GJ@att.net), and Carrie Blackwell KN4LCU (cecblackwell@gmail.com). We are looking for anyone willing to serve a year on the 2023 Board of Directors! The member must have attended at least six meetings since last November. The Nominating Committee will nominate a slate of nominees during the member meeting on Tuesday, October 11. The 2023 Board of Directors Election will be held during the member meeting on Tuesday, November 8. Nominations can also be made “on the floor” during the November meeting, too. Technically every position on the board is open for nominations. Many of the current members have expressed interest in staying on another year, but there is definitely a need for a Secretary and Director of Programs in 2023. Contact any of the nominating committee members as soon as possible if you have any interest in or questions about serving on the board.

President's Corner

Submitted by Mary Jean Hall, KY4FB

Like many of you, I love to garden and landscape. I enjoy the immediate satisfaction of being outdoors for an activity, but it goes deeper than that. Every time I plant a seed in the winter, I know that the rewards are not immediate. Planting the seed is not enough. It takes many hours of transplanting, watering, weeding, and other tasks to make sure that, when the time is right, a harvest can be collected. This was certainly a tough year to keep a garden going, but I did my best to keep mine maintained. A few plants did not do as well as I hoped, but most produced a bountiful harvest. Each time I collect a harvest, I think about all the work that it took for that moment to happen.

The same sentiment can be true for investing in the Amateur Radio community. It starts with earning your license, but it does not end there. Our club and the Amateur Radio community has the potential to grow every time you attend a meeting, join one or more clubs, volunteer for community service activities, serve in a leadership role, or do any number of tasks. Simply put, we cannot enjoy the benefits of a strong organization without putting in the work to get there.

I want to take a moment to say “thank you” to all of you who are the reason we get so much benefit from Delta Club today. We wouldn’t be here today if a small group in 1961 had not put in the effort to create a new Amateur Radio club here in the Mid-South. Since then, so many have been willing to invest their hard-earned money and valuable time to join the club (and/or others in our area). Many members, both past and present, have prioritized their time and

resources to attend meetings and other events, serve in leadership roles, and serve as elmers to new hams.

We will never know exactly what each person contributed to Delta Club in the past. We can, however, recognize that effort and choose to invest what we can to continue the tradition. If you have not renewed your membership this year, please consider making that investment. If you can spare the time to serve on the Board of Directors (even if just for a year), please consider stepping up. If you cannot serve on the board but can still volunteer some time, we can still use the help. There are so many ways you can invest in our Amateur Radio community! Like plants in a garden, if we do not all put in the effort to invest in our club, we will not reap a bountiful harvest down the road. If you would like to get more involved but are not sure how to help, email me at ky4fb@arrrl.net and I will try to point you in the right direction.

We have many exciting events going on and lots of news to share. Please be sure to read through the announcements in SPARKS, check in to the Delta Club nightly Information Net and attend meetings to stay up-to-date on all that is happening.

I look forward to seeing you all Tuesday!

73,
Mary Jean KY4FB

Treasurer's Report
Submitted by Jim Martin, KD4FUU

Please renew your membership right away, so you won't forget about it! The membership application may be downloaded from our website (for both renewals *and* new members) at:

<https://deltaclub.org/membership>

Annual membership fee is \$20 per individual or \$25 per family. Completed applications and payment may be mailed to:

Delta Amateur Radio Club
PO Box 342768
Memphis, TN 38184-2768

If you prefer you can print and bring the completed form, along with the membership fee, to any in-person meeting. Please contact Jim Martin KD4FUU at kd4fuu@gmail.com with any questions or concerns regarding application submission and/or payment of annual dues.

LIFEGREEN CHECKING FOR BUSINESS

July 30, 2022 through August 31, 2022

SUMMARY			
Beginning Balance	\$23,267.40	Minimum Daily Balance	\$23,157
Deposits & Credits	\$3,825.75 +	Average Monthly Statement Balance	\$23,764
Withdrawals	\$0.00 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$2,520.25 -		
Ending Balance	\$24,572.90		

DEPOSITS & CREDITS		
08/09	Deposit - Thank You	2,035.00
08/19	Deposit - Thank You	167.00
08/19	Deposit - Thank You	340.00
08/29	Deposit - Thank You	1,054.00
08/31	Deposit - Thank You	229.75
Total Deposits & Credits		\$3,825.75

CHECKS					
Date	Check No.	Amount	Date	Check No.	Amount
08/10	1567	38.26	08/10	1569	66.99
08/15	1568	2,040.00	08/23	1570	375.00
Total Checks					\$2,520.25

* Break In Check Number Sequence.

DAILY BALANCE SUMMARY					
Date	Balance	Date	Balance	Date	Balance
08/09	25,302.40	08/19	23,664.15	08/29	24,343.15
08/10	25,197.15	08/23	23,289.15	08/31	24,572.90
08/15	23,157.15				

SMALL BUSINESS CD *0028

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$10,913.59	1.590 %	\$86.18	\$37.62
View More Details			

Applications Received - August 2022

(1) New Membership(s) - Pro-Rated Dues	\$10.00
(1) New Membership(s) - Dues Waived	\$0.00
(0) New Membership(s)	\$0.00
(4) Membership Renewal(s)	\$90.00
(0) Donations Received	\$0.00
Total Dues Received	\$100.00

Other Deposits

Reimbursement - Mid South Amateur Radio Assn's portion of Field Day 2022 Food and Supplies	\$129.75
2022 Huntsville Hamfest - Bus Fare	\$2,035.00
Proceeds from Estate Sales	\$167.00
2022 Huntsville Hamfest - Bus Fare	\$340.00
2022 Huntsville Hamfest - Table Sales	\$1,054.00

Total Other Deposits \$3,725.75

Total Deposits \$3,825.75

Debits/Payments

Chk # 1567 - Reimbursement - Club Meeting Refreshments	\$38.26
Chk # 1568 - Cline Tours Inc. - Huntsville Hamfest Bus Fare	\$2,040.00
Chk # 1569 - Reimbursement - Club Meeting Refreshments	\$66.99
Chk # 1570 - Admission to Huntsville Hamfest	\$375.00

Total Payments \$2,520.25

DARC Board of Directors Meeting Minutes
Submitted by Carolyn Horne, KX4QF

DARC Board of Directors Meeting Minutes for September 6, 2022

Attendees: Mary Jean Hall KY4FB, John Reiners KN4BVH, Carolyn Horne KX4QF, Jim Martin KD4FUU, Joe Lowenthal WA4OVO, Mike Harrison KM4MRW, Scott Adams KM4PMU, Barry McDonald W5CJ and Len Grice W4MKS.

Absent: None.

Guests: None.

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, September 6, 2022, at 6:30 PM on a Zoom video conference call, with the President serving as chair and the Secretary being present. President Mary Jean Hall called the meeting to order.

Mary Jean Hall discussed whether to have next week's Members Meeting only via Zoom or both in-person and via Zoom. The church has reported that their HVAC system in the meeting room is out of service. After determining that temperatures will not be extreme and that the Club can get enough fans for most people to feel comfortable, the board determined to offer a

hybrid meeting this month. The in-person meeting will be held at the Ellendale Church of Christ. The link to the Zoom meeting will be sent by email and may also be found in the SPARKS newsletter on the deltaclub.org website.

Mary Jean Hall discussed program thoughts for the monthly meeting. The program will be “How to get started with CW” by various club members, featuring a video by the Long Island CW Club.

Mary Jean Hall gave more information on the upcoming CPR course. It will be held at the Shelby County Sheriff’s Office instead of Germantown Fire Department to secure the September 17th date on which we had agreed. It will be an AHA Heart Saver CPR/AED adult training module. The class will be about 2.5 hours with a tour of the facility offered afterward. There is a workbook included in the course, which costs \$4. If you want a Certification Card as well from the AHA, that is another \$18.

Mary Jean Hall gave a rundown on the ARRL presentation she attended at the Huntsville Hamfest. There is a big push on the new membership renewal program. ARRL has seen a decrease in memberships over the past two years especially, so they are trying to restructure some things and are asking clubs to share ideas on how to increase membership and fill leadership roles.

Joe Lowenthal said we had a net total of \$1054 in equipment sales at the Huntsville Hamfest. He said someone is interested in buying both K2’s and he is negotiating the price with them. He is updating the inventory of equipment we still have.

Mary Jean Hall commented on the success of the Huntsville Bus Trip. She said there was a good group that went. The crowds were bigger and there were more vendors this year than last year. Some who went for the first time got a lot out of the trip and would not have gone if the bus trip had not been available.

Jim Martin reported on the progress of digital payment access through PayPal. He was in contact with PayPal to get the restriction on our account lifted. It is now linked to our checking account. We will have the ability to generate a QR code or website link for payments as well as test payment processing during development. The surcharge is 1.99% plus \$0.49 per payment which will be added to the charge assumed by the payer, not the club. PayPal has projected an increase in charges soon.

Jim also recommended getting an inventory list of all the Club’s equipment. Right now, we only keep a list of insured equipment. Mary Jean Hall and the board agreed that that would be a good thing to have.

The board discussed giveaways at the December meeting 2022. It was agreed to defer that until next year. November 8th is election day, and the church venue will be a polling place thus unavailable for our meeting. The board remained undecided about whether to have a Zoom-only meeting or find another venue. Board members will be on the lookout for other venues and report back at the October Board of Directors meeting.

Carolyn Horne announced we had two new and four renewed membership applications, including three families. Joe Lowenthal said he had also received two new ARRL membership applications from his Tech Class. Mary Jean Hall said that there was an ARRL renewal membership done on the bus to Huntsville by phone. Joe Lowenthal made a motion to accept them, Jim Martin seconded the motion and the motion passed.

Joe Lowenthal said 2 out of 4 students who passed their Tech exam went for the ARRL membership on August 18th. ARRL sends the commissions to the club at the end of each month, but he is still waiting for ours. He is currently only taking checks to the ARRL, but students could also do it through PayPal if they want to pay by credit card.

He reported that the Huntsville Bus Trip was successful, and we met our 28-ticket goal, however three people who paid were unable to take the bus trip due to COVID.

He is scheduling a General Class on six Monday nights starting the first week of November and finishing December 12th. Joe said that 3 out of 4 of his Tech Class students took advantage of the QRZ New Ham Jumpstart Program ([Announcing the QRZ New Ham Jumpstart Program | QRZ Forums](#)), and received free new Explorer QRZ-1 dual-band hand-held radios. This program lasts through the end of October and is *only* for new Hams. Application must be made within 30 days of getting your FCC license. Click the link above for more information.

Scott Adams said there are plenty of snacks and food in stock. He will also round up some fans for the members meeting on Tuesday. He asked if there would be testing before the meeting and Mary Jean Hall confirmed that Bob Vawter KW4RJ would be having testing.

Barry McDonald gave an update on the 146.82 repeater status. He said he and Rick Tillman have been monitoring it. Barry can turn it on and off from his home and at the time of the board meeting it was still off. (Ed. Note: Barry turned on the repeater on Wednesday after the board meeting. It seemed to have low SWR. So, he is leaving it on and asking everyone to use it to see if it will quit again before we move the nightly net back to the 82 repeater). They are using low power on the 443.70 repeater and added an amplifier to bring it up to 50-60 watts. They think that running the repeaters at full power may be causing some of our problems. He is working on one now, replacing the finals. New finals are due for delivery on September 27th.

Jim Martin gave the Treasurer's Report to be published in SPARKS. He is looking into options for renewing our CD when it comes due.

Len Grice had nothing new to report.

Mike Harrison is working on SPARKS and asked for some clarifications before it is published. The board agreed to hold off on the email purge for other than SK's and known invalid email addresses since there were cases of dormant accounts recently being opened and acted on.

John Reiners is coordinating the Board of Directors election subcommittee. They will start the process of looking for candidates to fill the openings-Secretary and Director of Programs. Members can volunteer for any of the other positions, if so desired.

Mary Jean Hall reminded us of upcoming events: the Bike MS150 Saturday and Sunday, the Bluff City Blues ride on October 8th and the 2023 board candidates' proposal on October 11th.

Mary Jean Hall adjourned the meeting at 8:40 PM. The next regular Board of Directors meeting is scheduled for Tuesday, October 4, 2022, at 6:30 PM on Zoom.

Respectfully submitted by Carolyn Horne KX4QF, Secretary

Minutes of Last Month's Club Meeting
Submitted by Carolyn Horne, KX4QF

DARC Meeting Minutes for August 9, 2022

Call to Order and Opening Remarks

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, August 9, 2022, at 7:00 PM at the Ellendale Church of Christ and on a Zoom video conference call, with the President serving as chair in-person and the Secretary being present on Zoom. Club President Mary Jean Hall KY4FB called the meeting to order and then welcomed everyone to the meeting. At least 48 members and guests were present for the meeting.

Minutes and Treasurer's Report

Ham Hilliard W4GMM moved to "approve the Treasurer's Report and Minutes as published in Sparks." Bill Flanigan KK4VPS seconded the motion. The motion was adopted by the club without objection.

Announcements

Mary Jean Hall KY4FB reminded members to pay their dues if they have not yet done so. Those attending in-person could see Jim Martin KD4FUU at the desk to fill out the membership form. Those on Zoom could click on the menu icon at the top right of the Delta Club website home screen to navigate to the membership screen.

Mary Jean announced that the 2023 Board of Directors had two openings for Director of Programs and Secretary. If anyone is interested, they can contact her or a board member.

Rick Tillman WA4NVM gave an update on the status of the 146.82 and 443.70 repeaters up on the Brunswick Tower. He and Barry McDonald W5CJ had been attending to the issues and will keep the Club informed of progress. In the meantime, the 146.625 Germantown repeater would be used as a backup. Since the coverage is not as good as those on the Brunswick Tower, members were encouraged to connect via Echolink.

John Reiners KN4BVH gave a brief presentation on how to download the Echolink app on your phone or desktop, and steps to establishing a connection and checking in to the repeater that way.

Joe Lowenthal WA4OVO said 6 students from the Tech Class were testing on Thursday night as well as going through a review of the course material. There are no plans yet for another Tech Class this year. There are plans for a General Class starting around the 1st of November, and Extra Class in January 2023 and then another Tech Class in the middle to the end of February 2023. He said there are 28 going on the bus to Huntsville, and he is hoping for a couple more after Thursday night testing. The fee is \$95 for anyone wishing to go.

Mary Jean Hall KY4FB said she spoke with Fred Miller K2SX regarding the CPR Class. The tentative date is September 17th, but confirmation is needed with Germantown Fire Department for the actual times and venue. His is a free class plus \$10 for a Certification Card if you want one.

There was a question about Field Day 2022 results. Steve Frazier KK4VPT and Joe Lowenthal WA4OVO gave a summary and showed a screen with the details for each category.

There was a short 5–10-minute break and the meeting resumed at 7:44 PM.

Discussion / Program

Darrell Sheffield KK4D gave a presentation on the MS150 Rockin' Ride taking place September 10th and 11th for which he is a coordinator.

Mary Jean Hall KY4FB added a summary of two other events coming up: 1) the Bluff City Blues Ride on October 8th and Swamp Stomper in January 2023. She said those interested in volunteering for the MS150 ride should give Darrell their phone number if they were attending in person. Joe Lowenthal WA4OVO took the names of volunteers on attending via Zoom.

Closing Remarks

Mike Harrison KM4MRW said he had published updated frequencies on the Club website.

Delta Club President Mary Jean Hall KY4FB adjourned the meeting at 8:20 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, September 13, 2022, at 7:00 PM in-person and /or via Zoom. Check the current edition of SPARKS or the Delta Amateur Radio Club Facebook page just before the scheduled meeting time for more information on venue instructions or the Zoom link for the meeting.

Respectfully submitted by Carolyn Horne KX4QF, Secretary (2022)

Delta Ham License Training, 2022

Submitted by Joe Lowenthal, WA4OVO, DIRECTOR OF TRAINING

There is no charge for classes, but the student is responsible for the purchase of the license manual and the \$15 ARRL FCC examination fee. The FCC implemented a \$35 application fee on April 19, 2022.

If you want to take a class, send an email to Joe at wa4ovo@gmail.com with the class name; ie, Tech Class, General Class, or Extra Class, on the Subject line and name, callsign if you have one, email address, and cellphone number in the text.

Licenses Earned in 2022 from Delta Classes

18 Technician

2 General

7 Extra

Note:

As of April 19, 2022 there is a \$35 FCC application fee for new hams, renewals, Vanity callsigns, etc except for license upgrade, systematic callsign issue, name, address or email changes. This is in addition to the \$15 ARRL VEC FCC exam fee.

The new Technician ARRL Ham Radio License Manual is the Fifth Edition with question pool that becomes effective July 1, 2022 for four years.

The current ARRL General Class License Manual is the Ninth Edition with question pool that became effective July 1, 2019 for four years.

The current ARRL Extra Class License Manual is the Twelfth Edition with question pool that became effective July 1, 2020 for four years.

As of late 2019, expired Amateur Radio license holders can get their license back by taking the current Technician exam and show proof of their previous license class. A previous Advanced Class licensee will only be able to get a General Class license.

PROPOSED CLASSES

All classes will be 3-1/4 to 4 hours long for six or seven sessions; one per week on a week night 6:15pm-9:30pm or Saturday day 9am-1pm.

The next General license class will probably start in early November 2022

The next Extra Class license class will probably start in early January 2023

General Class 5-22 – November 7 – December 12, 2022

A General Class is proposed for six classes from November 7-December 12, 2022 on six Monday nights from 6:15-9:30pm. Ten students need to be registered for a class to be held. Depending on the health situation the class may be via Zoom or in person. Testing will be in person. If in person, the classes will be held at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). The FCC exam will be offered on the fifth or sixth night of class. **If interested, send an email to wa4ovo@gmail.com with Subject line: General Class and name, email address and cellphone number in text.**

CURRENT CLASS

None

COMPLETED CLASSES

Tech Class 4-22 – July 7 – August 18, 2022

A Technician license class was held from Thursday, July 7th to August 18th excluding August 4th.

A Technician license class was held from July 7th to August 18th on six Thursday nights from 6:15-9:30pm. The first four classes were via Zoom with the fifth and sixth classes in person at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). Nine students began the classes with seven completing the instructional period. The FCC exam was offered on the fifth night of class, August 11th. Congratulations to all four students who earned their Technician license: David Colston KI5WQA, Morgan Fancher KI5WQL, Ilea Hymes KQ4CQF and Rod Robinson KQ4CNU. Thanks to the Laurel VE team of Joe WA4OVO, Bob AI4GI, Jeff AJ4GY, Perry



N4GJ, Rick WA4NVM and Mary Jean KY4FB.

Tech Class 4-22 Testing

Photo by Joe Lowenthal WA4OVO



Three of the Laurel VEs grading the exams: left to right-Bob AI4GI, Jeff AJ4GY and Perry N4GJ. Photo by Joe Lowenthal WA4OVO

The sixth night was equipment demonstrations on FM Radio Basics by Joe WA4OVO, Satellite contact by Rick WA4NVM and Richard K4DXF, APRS by Joe WA4OVO, and digital radios by John KN4BVH.

The instructors were Joe WA4OVO, Paul KA4X, Pat W4OQG, Steve KK4VPT, David KY4FH and John KN4BVH.

Tech Class 2-22 – February 28 – April 4, 2022

A Technician license class began on February 28th for six Monday nights from 6:15-9:30pm. The first four classes were via Zoom. The class began with 15 students. Eleven students finished the four instructional classes with two students out of town. The fifth class was in-person with a review of the 421 questions and answers in the question pool as well as an opportunity to take the FCC exam. The Equipment Demonstration sixth class was given in person on April 4th.

Congratulations to Frank Barton KI5UJH (now KI5FGB), Charlie Cole KO4ZCF, Matt Coolican KO4ZCG, Bob Garrelts KI5UJI, Billy Griffin KO4ZCH, Keith Miller kO4ZCI, Bob O'Grady KO4UCJ, and Kyle Turlington KI5UJJ for earning their Technician licenses. Congratulations to Sandra West KO4ZLM for earning her Technician license on April 8th who tested with Chattanooga ARC The two locals will test at a later date. Additional congratulations to Frank Barton KI5UJH and Billy Griffin KO4ZCH for also upgrading to General.

Thanks to the Laurel VE team of Joe WA4OVO, Jeff AJ4GY, Barry W5CJ, David KY4FH, Bob AI4GI and Rick WA4NVM for being the VEs.



Rick KJ4NWQ on APRS Demo
Photo by Joe WA4OVO



John KN4BVH on Digital Demos
Photo by Joe WA4OVO



The instructors were Joe WA4OVO, Paul KA9VAU, Perry N4GJ, David KY4FH, John KN4BVH, and Pat W4OQG. The Equipment Demonstrators are Rick WA4NVM, Rick KJ4NWQ, John KN4BVH and Joe WA4OVO.

CBU Tech Review Class 3-22 – February 23, 2022

A Technician license review session was held in Dr. Eric Welch (WD5FTA)'s junior level Introduction to Unmanned Aerial Vehicle class for 13 Christian Brother University students on February 23rd. Congratulations to Juan KO4YBR, Juan KO4YBS, Hector KO4YBT, Jake KO4YBU, Dan KO4YBV, Joshua KO4YBW, Aldrin KO4YBX, Carlos KO4YCN, and James KE8UAR earned their Technician licenses.

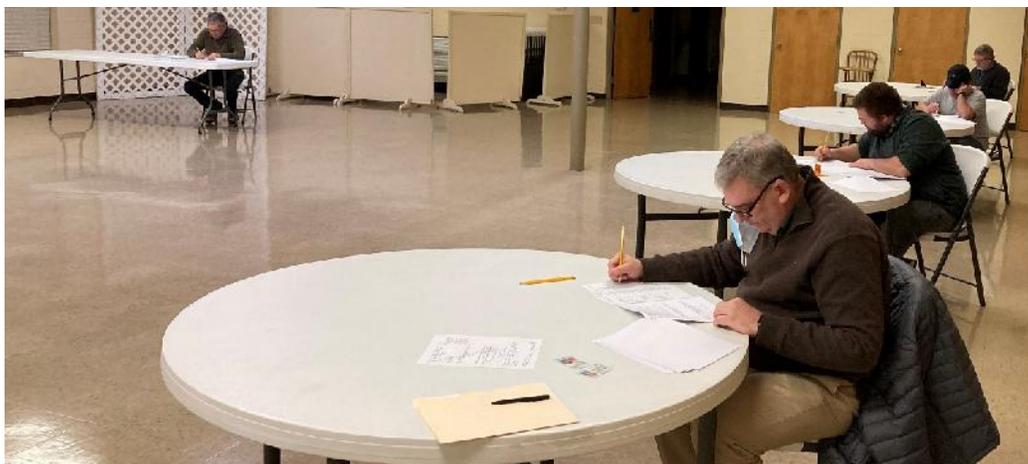
Thanks to the Laurel VEC Team of Barry W5CJ, Jelly N4HLT, David KY4FH, David AJ4KF, Eric WD5FTA and Joe WA4OVO for providing the Laurel FCC test session.

Extra Class 1-22 – January 3 – February 14, 2022

Extra Class 1-22 license class is being held via Zoom and started on Monday night, January 3, 2022 from 6:15-9:30pm. The class is for seven Monday nights until February 14th.

There are eight students in the class: Paul Broom KN4WGX, Kevin Buddle KO4UTX, Charles Byars KI5HWA, Randall Haynes KO4KKA, Kevin Kelley KO4OAO, Dylan Martin KC4DTM, Scott McDermott KO4OWE, and Jan Slezak KC1QBB. Since last report one student dropped out and one joined.

Congratulations to Kevin Buddle KY4MI, formerly KO4UTX, for testing early with a W5YI on-line testing group and upgrading on January 25th.



Extra Class 1-22 Test Session

Photo by Joe Lowenthal WA4OVO

The instructors were Joe Lowenthal WA4OVO, John Reiners KN4BVH, Dave Church AD4Q, Dean Honadle N2LAZ, Pat Lane W4OQG, Paul Roberts KA9VAU, and David Wilson KY4FH.

General Class 6-21 – November 1 – November 29, 2021

A General license class was held on five Monday nights between November 1st and November 29th from 6:15-9:30pm. The Zoom classes were on November 1, 8, 15, and 22 with in-class FCC testing on November 29th. There were 14 students in the first class; two from California and another from North Carolina. The class ended with 11 students, excluding the California students.

The test session location was at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). Congratulations to Web Webster KC4WEB who tested early online for upgrading to General. Congratulations to Charles Byars KI5HWA, Dan Currey KO4NGZ, John Duty KK4LST, Jeff Foster KI5SEK Randall Haynes KO4KKA, and Dylan Martin KC4DTM for upgrading to General.

Thanks to the Laurel VE team of Joe WA4OVO, Perry N4GJ, Barry W5CJ, Bob AI4GI, and David KY4FH for providing the test session.

How to Print Your FCC License

1. Go to **<https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>**
2. Enter your FCC Federal Registration Number (FRN) and Password
 - a. If you do not know your FRN, go to Search box and click on License
Click on Amateur; Enter your callsign in Callsign box;
Your FRN is in center of page after your name
(If you do not know your Password, click on Contact Tech Support after Forgot your Password)
3. In When My Licenses screen comes up, click on **Now** in the green line reading “Change your paper authorization preferences [here](#), or download your official electronic authorizations now”
4. In Under Download Authorizations screen, highlight your callsign in the My Authorization area at the bottom left.
5. Click on ADD to right of the highlighted callsign.
6. Highlight your callsign in Authorization to Download and then click on Download on bottom right of screen.
7. If pop-ups are blocked, click on Allow One
8. Click Open at bottom and Print your License.

Announcing CPR Class for Shelby County Area Amateur Radio Operators Submitted by Mary Jean Hall, KY4FB

September 17, 2022

Class starts at 8 AM

Class location:

Shelby County Sheriff's Office Training Academy

993 Dovecrest, Memphis, TN 38134



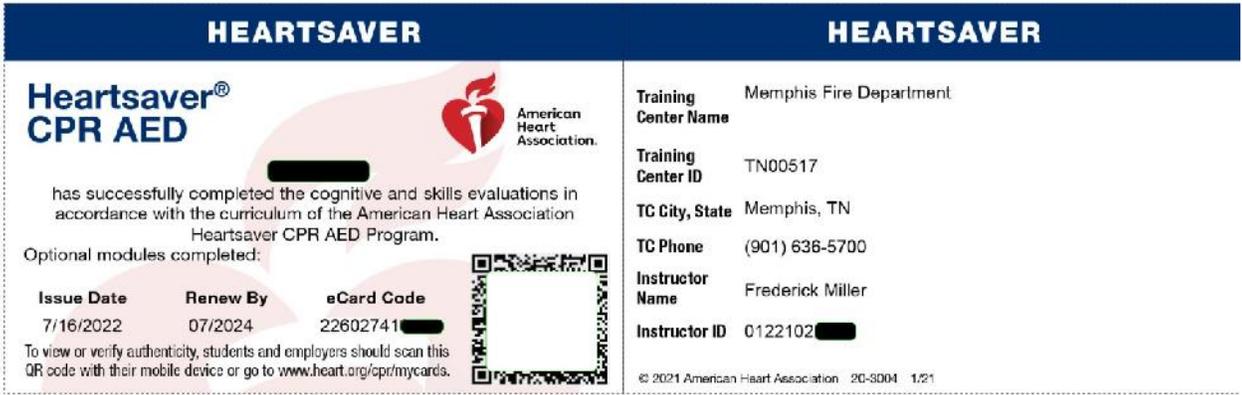
This will be AHA Heartsaver CPR/AED adult training. Class will be about 2.5 hours.

After the class, there will be an optional tour of the Sheriff's Office Volunteer Service Bureau that is next door (The blue roofs just south of the Training Academy). This will include the Sheriff's Office Reserve Deputy program, the Emergency Services unit, and the Community Volunteers group. Those attending will see some of the specialized equipment these groups use and learn how the programs work.

Costs:

Each student will get an AHA workbook and a certificate of course completion from the Sheriff’s Office – cost \$4

Students who desire to have an American Heart Association card will cost \$22 (including the workbook). The AHA completion card is shown below.



Other requirements:

Registration and payment are through either the Delta Amateur Radio Club or the Nashoba Amateur Radio Club. Payment is required in advance and the class size is limited. Places will be assigned based on when the request for a reservation is received by one of the clubs.

The Shelby County Sheriff’s Training Academy requires business or business casual attire for this type of class (No jeans or shorts please). The collared club polos paired with dress slacks will be appropriate, too.

Signing up and payment is through one of the two radio clubs supporting this event.

Nashoba ARC Members

Reservations and questions can be sent to:

Fred Miller
KS2X, President, Nashoba ARC
Captain, Shelby County Sheriff’s Office Emergency Services

KS2X@ARRL.net
901-230-4689

Delta Amateur Radio Club Members

Reservations and questions can be addressed to:

Mary Jean Hall
KY4FB, President, Delta Amateur Radio Club

ky4fb.tn@gmail.com
901-356-1475

2022 Huntsville Hamfest Attendance by DARC
Submitted by Joe Lowenthal, WA4OVO

HUNTSVILLE HAMFEST BUS TRIP



August 20, 2022

On Saturday morning, August 20th, 25 boarded the bus at Germantown Baptist Church for the day trip to the Von Braun Center in Huntsville for the hamfest and fleamarket sales. It seems all enjoyed the trip with Danver's biscuits served by President Mary Jean KY4FB with Scott KM4PMU providing refreshment support. Thanks to all who supported this bus trip and table sales.



Delta Club table at Huntsville Hamfest

Photos by Mary Jean Hall KY4FB



Huntsville Hamfest

Photos by Mary Jean Hall KY4FB

INDIVIDUAL EMAIL ADDRESS IN QRZ
Submitted by Joe Lowenthal, WA4OVO

Consider going to QRZ.COM and log in. Then enter your email address on their QRZ page so other hams can contact you vial email rather snail mail. Anyone looking for email addresses has to log in to QRZ to be able to see the ham's email address.

ARRL Benefits

ARRL amateur radio community. When you renew, a few of the benefits you will enjoy are:

- Your choice of a print magazine. Eligible US-based ARRL members can elect to receive QST, the official membership journal of ARRL or On the Air, aimed at helping new and emerging radio communicators get active and on the air.
- Digital access to all four ARRL publications -- QST, On the Air, and now QEX, covering topics related to radio communications experimentation, and National Contest Journal (NCJ), covering radio contesting.
- Access to ARRLs Technical Information Service to assist with technical problems and help with your projects.
- Free FCC license renewal and modification service.

To secure these amazing members-only benefits and many more in the coming year, visit www.arrl.org/join/WE1 to renew or call us toll-free at: 1-888-277-5289 (US Only) , Monday-Friday, 8 a.m. to 5 p.m. ET. International members call (860) 594-0338.

Packet Update

By: James Butler KB4LJV

Many times we need replacement parts for our antennas. I still run my Butternut ground mounted vertical that I bought in 1985. I have had to fix top radial after a storm and add additional support over the years. The antenna uses a special 11 foot length of 72 OHM coax from the antenna to act as impedance match. A lawn mower cut this special feed line coax. Looking for a replacement I found DX Engineering still sells the Butternut antennas. The good news is they also sell replacement parts to repair these antennas also. I was able to purchase the replacement parts. It was easy to order off the internet with fast shipping. If you are looking to rebuild a Butternut antenna or you just need one part check out DX Engineering to see their stock of antenna parts. Their web address is: <https://dxengineering.com>



Amateur Hardware Update

By: James Butler KB4LJV

One thing I always wanted was a rolling stand for my oscilloscope and test equipment. New commercial stands are \$600 plus. I found used stands on Ebay for \$200 to \$400 which was too high. Harbor freight sells a steel welding cart which can be used for electronics. The top shelf is angled which makes it perfect for oscilloscope use. The cart also has wheels so it rolls around easily. The regular price is about \$40. I got mine for \$30 with a \$10 off coupon. The stand must be assembled but goes together easily. The bonus is it has two additional shelves to put equipment on. This cart is perfect for a cost effective roll around cart. Go to the Harbor Freight website to see the specifications. Their web address is: <https://www.harborfreight.com/welding-cart-61316.html>



**Amateur Radio Emergency Service (ARES)
Emergency Coordinator (EC) - John Reiners KN4BVH**

If you are interested in joining Shelby County ARES, complete an application at <https://www.tnares.com>. Click (do not pull down) on INFORMATION on the top right of the page. Next, go to TN ARES Membership and Appointment Application Forms and then click on ARES Membership Application: FSD-98. Complete the form and click SUBMIT at the bottom of the page. You should get an acknowledgment soon after submitting.

**YL News
Submitted by Linda KJ4CTX**

The YL Net is on a break until further notice. Please consider checking in to the Delta Club Nightly Information Net for up-to-date information.

Sparks Newsletter and Delta Club Information

SPARKS is published monthly by the Delta Amateur Radio Club and emailed to club members. All information published in this newsletter is provided as a service. While every reasonable effort has been made to ensure accuracy, neither the Delta Amateur Radio Club nor its officers assume any liability resulting from errors or omissions. All correspondence may be mailed to:

Delta Amateur Radio Club *P.O. Box 342768 * Memphis, Tennessee 38134-2768

Please note that you must provide your name and call sign if you're requesting specific actions or personal follow-ups, and also be aware that any profane or mean-spirited comments will be unceremoniously discarded without consideration.

Delta Club Members Can Like Us/Follow Posts On Facebook!
Go to <https://www.facebook.com/darcmem>.

2022 Board of Directors

President

Mary Jean Hall KY4FB
ky4fb@arrl.net
901-356-1475

Vice President

John Reiners KN4BVH
KN4BVH@comcast.net
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Secretary

Carolyn Horne KX4QF
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901-737-7296

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Jim Martin KD4FUU
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731-609-1948

Director of Programs

OPEN

Director of Meetings & Special Events

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scottedadamsjr@hotmail.com
901-573-6280

Public Information Officer

Len Grice, W4MKS
W4MKS@arrl.net
901-522-6711

Immediate Past President

Steve Frazier, KK4VPT
sfrazier1@bellsouth.net
901-218-6385

Repeater Trustee

Barry McDonald W5CJ
W5CJ@ARRL.NET
901-853-0510

Upcoming Events

- Bluff City Blues Bike Ride

October 8th, 2022

For more information go to <http://hamcalendar.com/>

Memphis Area VHF/UHF Nets

82 Repeater Down - Delta Club Information Net on Alternate Repeater 443.700

Name of Net	Freq. MHz	Offset/Tone	Local Time	Day of Week
Delta Club Information Net	146.820	- (107.2)	8:00p	Daily
YL Net	146.820	- (107.2)	8:45p	Sat
Four-Forty Net	443.700	+(107.2)	8:30p	Fri
Mid-South Bullfrog Net	146.535	[simplex]	7:30p	Daily
Elmer Net	444.175	+ (107.2)	9:00p	Sun
MedMERS Net	146.820	- (107.2)	12:00p	Wed
ARES Training Net	146.850	- (107.2)	9:00p	Thu
Sunday Super Niner Net	927.6125	- (146.2)	8:30p	Sun
TN Statewide DMR Net	Digital – DMR		8:00 p	Friday

TENNESSEE HF NETS

Net Name	Freq. MHz	Local Time	Day of Week
Tennessee CW Net	3.563	7:00p	Daily
Tennessee Slow CW Net	3.682	7:30p	Tue-Sun
Tennessee Alternate Phone Net	7.238		As needed
CUSEC	3.810		As needed
CUSEC	7.180		As needed

(Center for United States Earthquake Consortium)

3980 kHz – Tennessee Phone Net

Mon-Fri - 5:40 AM, 6:45 AM & **5:30 PM** (5:30 pm beginning Nov. 9 evening)

Saturday - 8:00 AM & 5:30 PM

Sunday - 8:00 AM only

Holidays - 8:00 AM only

DELTA CLUB ADVERTISEMENTS

DELTA AMATEUR RADIO CLUB

**P.O. Box 342768
Memphis, TN 38134-2768**

DARC Meeting: Second
Tuesday of every month
at Ellendale Church of Christ
7365 Hwy 70, Bartlett TN



W4BS REPEATER SYSTEM
146.82- 147.36+ (107.2Hz tone)
224.42- 443.20+ (107.2Hz tone)



Joe Miller
Owner

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