

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 82 * November 2022



Delta Amateur Radio Club (DARC)

Sparks Newsletter

Website: <http://deltaclub.org>

Facebook:

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

W4BS

REPEATER SYSTEM

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

This month's meeting will be **IN PERSON** at 7 pm on Tuesday, **November 15**, 2022 at the Ellendale Church of Christ, 7365 Highway 70 in Bartlett, TN (1 ½ miles north of Highway 64 / Stage Road).

The meeting will also be on "Zoom." We encourage everyone to try to come to the in-person meeting since there will be several important discussion items on the agenda. The Zoom link is listed below.

There will be FCC Testing Tuesday night.

Program: "What is Happening Currently in ARRL" by David Thomas, ARRL Tennessee Section Manager

Join Zoom Meeting

<https://us02web.zoom.us/j/88354601388?pwd=VlINQ292VGU3Q01IZGI1TFZXRN0Y0dz09>

Meeting ID: 883 5460 1388

Passcode: 041257

One tap mobile

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

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

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

November Member Meeting Date Change: Meeting Will be Tuesday, Nov. 15

****IMPORTANT:** Delta Club WILL NOT MEET on Tuesday, November 8, 2022, which is the second Tuesday of the month! The second Tuesday of the month falls on Election Day. Since the Ellendale Church of Christ serves as an Election Day Polling Location, we will not be able to hold our meeting then.

Since Election Day activities could also impact attendance and we want to encourage in-person attendance, we decided to move the meeting to the third Tuesday of the month in November only. The meeting will be at the Ellendale Church of Christ, 7365 Highway 70 in Bartlett, TN.

YL Net

The YL Net is every Saturday at 8:45 pm on the 146.820 frequency, which has a PL tone of 107.2 Hz. We encourage everyone to check in with us on the YL Net!

Club Polo Shirt Order

We will submit another Delta Club polo shirt order soon. If you would like to order an embroidered polo shirt, email Mary Jean Hall KY4FB at ky4fb.tn@gmail.com or call at 901-356-1475.

December Potluck

We will have a holiday potluck during our member meeting on December 13 at 7pm at the Ellendale Church of Christ. There will NOT be a link to Zoom since we will only have a brief business portion of the meeting. There will not be FCC in-person testing before the meeting.

The club will provide the ham(s), drinks, plates and utensils. We need everyone else to bring a side dish and/or dessert (and the serving ware, if required).

President's Corner
Submitted by Mary Jean Hall, KY4FB

Don't forget – we will not meet this week on the second Tuesday of the month. Instead, we will meet on the **THIRD** Tuesday of the month, which is November 15, 2022! More details about this change can be found in the announcements. We have been sharing this on multiple venues: at the October meeting, in the SPARKS newsletter, on the Nightly Information Net, and on social media. If you think there is someone who may not know by now, please reach out to them and remind them of the change!

The year may be winding down, but we have a lot planned for the last two club meetings! We are excited to have the ARRL Tennessee Section Manager, David Thomas, speak to us during our November meeting. He will update us on what is currently happening in ARRL. If you've had any questions about ARRL, now is a great time to show up and ask them! We certainly appreciate David taking time to speak with us! November also means that it is election time! Most of the positions for the 2023 had nominations at our last meeting. We can still take nominations on-the-floor during the November meeting before the election. If you are interested in serving on the board, please let us know or make a nomination that night.

Last month we decided to move forward with plans to return to our December meeting potluck. The club will provide the ham(s) for the potluck, drinks, plates and utensils. We need everyone else to plan on bringing a side and/or dessert, so start thinking about that now. There will be a brief business portion of the meeting, but most of the meeting time will consist of a potluck. So, we will not have a link on Zoom for the December meeting. We look forward to seeing everyone in person!

We will still have a Zoom link for the November meeting, but we encourage everyone to attend in person. That being said, as we encourage in-person participation, if you are sick please consider staying home! We should still stay mindful as we meet in-person.

See you all **NEXT** Tuesday, November 15!

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
October 1, 2022 through October 31, 2022

SUMMARY			
Beginning Balance	\$24,272.37	Minimum Daily Balance	\$19,713
Deposits & Credits	\$979.26 +	Average Monthly Statement Balance	\$23,876
Withdrawals	\$263.74 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$5,089.53 -		
Ending Balance	\$19,898.36		

DEPOSITS & CREDITS			
10/03	Deposit - Thank You		96.00
10/06	Deposit - Thank You		30.00
10/13	Deposit - Thank You		640.00
10/28	Deposit - Thank You		28.26
10/31	Deposit - Thank You		185.00
Total Deposits & Credits			\$979.26

WITHDRAWALS			
10/03	Rsc Insurance Br Risk-Strat James Martin	M63959512852	235.48
10/28	Bank Debit		28.26
Total Withdrawals			\$263.74

CHECKS					
Date	Check No.	Amount	Date	Check No.	Amount
10/28		5,028.26	10/12	1572	61.27
Total Checks					\$5,089.53

SMALL BUSINESS CD *8481

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$5,000.00	1.980 %	\$0.00	\$1.09
<hr/>			
SHOW ACCOUNT NUMBER *8481			
<hr/>			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$0.00	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$5,000.00	10/27/2022	11/25/2023	
<hr/>			
▲ Hide More Details			

SMALL BUSINESS CD *8503

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$11,000.00	2.230 %	\$0.00	\$2.69
<hr/>			
SHOW ACCOUNT NUMBER *8503			
<hr/>			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$0.00	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$11,000.00	10/27/2022	11/26/2024	
<hr/>			
▲ Hide More Details			

Applications Received - October 2022

(1) New Membership(s) - Pro-Rated Dues	\$10.00
(0) New Membership(s) - Dues Waived	\$0.00
(1) New Membership(s)	\$40.00
(8) Membership Renewal(s)	\$165.00
(0) Donations Received	\$0.00
Total Dues Received	\$215.00

Other Deposits & Credits

CPR/AED Class w/card (3 club members @ \$22 each)	\$66.00
ARRL Club Commission (2 new members)	\$30.00
Sales from Karen Chancellor estate	\$640.00
Reversal of duplicate withdrawal for new CD	\$28.26
Total Other Deposits	\$764.26

Total Deposits \$979.26

Withdrawals

ARRL Equipment Insurance - Annual Premium	\$235.48
Bank Debit for new CD (Round-up to \$11,000)	\$28.26
Total Payments	\$263.74

Checks

Chk # 1572 - Barry McDonald - Reimbursement for parts required for repeater repair.	\$61.27
Funds transferred to new Certificates of Deposit (Including \$28.26 round-up for new CD)	\$5,028.26
Total Payments	\$5,089.53

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

DARC Board of Directors Meeting Minutes for November 1, 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: Paul Broom KY4MX.

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, November 1, 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 said the November 15th Members Meeting will be held both in-person and via Zoom. A link to the Zoom meeting will be sent by email and may also be found in the SPARKS newsletter on the deltaclub.org website. She said there will be a survey to determine how many will be attending the December potluck, so we know whether to order 1 or 2 cooked hams.

The board fielded some candidates for New Ham of the Year and Ham of the Year 2022. The final choices will be made at the December board meeting. Joe said Net Control Operators will be recognized as well.

Mary Jean Hall and the board discussed program options for the November meeting. The board agreed on the choice of a Zoom presenter from ARRL while a second choice of a video will also be considered. John Reiners is following up on this.

John Reiners gave an update on the list of nominees for Board of Directors openings in 2023. There is still room for a Director of Programs and possibly Vice President if there is a shuffling of roles on the board. Please contact John if you are interested.

Jim Martin presented the Treasurer's Report. He and Mary Jean Hall went to the Regions Bank and secured two new CD's, one for \$11,000 for 25 months and another for \$5000 for 13 months. He renewed our equipment insurance with ARRL and is looking into our liability insurance with ARRL. He said he is about to begin working on the budget for 2023.

Scott Adams said he will be looking into purchasing 1 or 2 hams for the potluck this December, as well as Diet Cokes. There was also a request for shelled pistachios for snacks. He and the board discussed best options for delivering the cooked ham to the venue for the potluck.

Barry McDonald gave an update on the 146.82 repeater status. He said it is working well and there is nothing new to report. He has been working on repairs to the 440 repeater.

Carolyn Horne announced we had one member with a callsign change, and six renewed membership applicants, including one family membership. John Reiners made a motion to accept them, Jim Martin seconded the motion and the motion passed. Mary Jean Hall reminded board members to get their membership applications in for next year.

Joe Lowenthal reported that the Club received a \$5 commission check from the ARRL for a renewed membership. He will announce in SPARKS that people can renew their ARRL membership using cash or a check for \$49, and the Club will receive a \$5 commission. A link to the application will be provided. He said ARRL processes them about once a month. He has scheduled a General Class on six Monday nights starting the first week of November and finishing either December 5th or December 12th depending on the progress through the material. The first 4-5 nights will be via Zoom and the last night will be FCC testing. He has 13 students signed up and there is a limit of 15 for the class. If you are interested in taking this class, send Joe an email at wa4ovo@gmail.com with 'General Class' in the subject line and include your name, callsign and cell phone number in the body. Also, this may be the only opportunity to take an FCC exam in December, since there will be no testing at the December meeting.

Len Grice had nothing new to report.

Mike Harrison is working on SPARKS. He has the PayPal addition to our website scheduled for the middle of November.

Mary Jean Hall outlined upcoming events: we have the Christmas Potluck on December 13th at the Ellendale Church of Christ and Swamp Stompers on Saturday, January 14, 2023.

Joe Lowenthal said the Health Department requested Ham support for their Flu Pods from 9 AM to 2:30 PM on November 9th. He has some volunteers on deck but could use one or two more as backups and as a training exercise for them. Contact Joe if you are interested, since you do need to be an MRC member, and he can fill you in on the details.

Mary Jean Hall adjourned the meeting at 7:42 PM. The next regular Board of Directors meeting is scheduled for Tuesday, December 6, 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 October 11, 2022

Call to Order and Opening Remarks

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, October 11, 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 46 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.” Dan Cosson KO4FRJ seconded the motion. The motion was adopted by the club without objection.

Announcements

Mary Jean Hall KY4FB reminded members that the regular monthly meeting in November will not be held on the 2nd Tuesday of the month at the Ellendale Church of Christ since elections are being held that night and the church is a designated polling place. She thanked Ham Hilliard W4GMM for providing an optional venue in Millington on that same night, but due to its distance from many members it was decided instead to move the meeting to the 3rd Tuesday of the month just for November. The church is available for the club on that night. So, the November meeting will be held on Tuesday, November 15, 2022, at 7:00 PM at the Ellendale Church of Christ. A Zoom link will be sent out via SPARKS.

Mary Jean thanked volunteers who attended the recent bike ride events. There was perfect weather and no reported injuries.

Barry McDonald W5CJ gave an update on the status of the 146.82 repeater. He said it is working now and he still does not have an answer as to why it was experiencing problems before. He is making repairs to the 440 repeater.

Mary Jean Hall KY4FB announced that the YL Net is resuming on Saturday evenings at 8:45 PM following the DARC Information Net on the 146.82 repeater. All YL’s and OM’s are welcome to check in. (OM’s please allow the YL’s time to check in first.)

Joe Lowenthal WA4OVO said there is a General Class on six Monday nights from 6:15 – 9:30 starting the 7th of November, running through the 12th of December. Those interested should email him at wa4ovo@gmail.com with the subject ‘General Class,’ and include their full name, callsign, and cell phone number. He said 8 or 9 have already signed up. He also plans to schedule an Extra Class in January 2023.

Mary Jean Hall KY4FB discussed the Club polo shirt order requests from Cornerstone. She showed examples of the male and female versions. Prices have gone up since the last order was made, so with tax included the fees are: \$41 XS-XL, \$43 2X, \$47 3X and \$49 4X. Some popular men’s sizes (S, 2X – 5X) are out-of-stock but let Mary Jean know if you are interested and they can be backordered. All women’s sizes are in stock. The shirts include embroidery of the club insignia and your callsign.

Mary Jean Hall KY4FB encouraged members to consider making the switch from Zoom back to fully in-person meetings to facilitate better camaraderie and fellowship. She also reminded everyone to get their 2023 dues in!

Mary Jean said the focus of the November meeting will be elections for officers to the Board of Directors. The December meeting will feature a potluck (voted on – and passed) and there will not be a program at that meeting.

Mary Jean said that as in-person meetings become the norm once again, tickets for the yearly draw would be available for in-person attendees.

John Reiners KN4BVH gave a report on the 2023 Board of Directors Nominating Committee which included himself as chair, Joe Lowenthal WA4OVO, Perry Hayes N5GJ and Carrie Blackwell KN4LCU. He said if you are interested you can still make a request to become an officer. Ham Hilliard W4GMM made a motion to accept the following nominees, Bill Flanagan KK4VPS seconded the motion, and the motion unanimously passed. Formal voting will take place at the November meeting.

President	Mary Jean Hall KY4FB
Vice President	John Reiners KN4BVH
Secretary	Paul Broom KY4MX
Treasurer	Jim Martin KD4FUU
Dir of Training	Joe Lowenthal WA4OVO
Dir of Publications	Mike Harrison KM4MRW
Dir Programs	Open
Dir of Meetings and Special Events	Scott Adams KM4PMU
Repeater Trustee	Barry McDonald W5CJ
Public Information Officer	Len Grice W4MKS

There was a short 5–10-minute break and the meeting resumed at 7:50 PM.

Discussion / Program

The evening program was “Intro to Amateur Radio Contesting” by Anthony Luscre K8ZT (pre-recorded and available on YouTube).

Closing Remarks

Ham Hilliard W4GMM said that 4 Techs and 1 Extra passed their FCC exam prior to tonight’s meeting. Congratulations to all these new Ham’s and new Extra!

Delta Club President Mary Jean Hall KY4FB adjourned the meeting at 8:42 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, November 15, 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

22 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 Extra Class license class will probably start in early January 2023

The next Technician license class will probably start in mid to late February 2023. **If interested, send an email to wa4ovo@gmail.com with Subject line: Tech Class and name, email address and cellphone number is text.**

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

A General Class license class will be held beginning on November 7th for six Monday nights from 6:15-9:30pm. The first four or five classes will be via Zoom with the fifth or sixth class in person at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). The ARRL FCC exam will be offered on the last night of class. There are 13 students registered for the class.

The instructors are Joe WA4OVO, Steve KK4VPT, Perry N4GJ, Paul KA4X, Barry W5CJ, Len W4MKS, Bobby KD4BS and David KY4FH.

CURRENT CLASS

None

COMPLETED CLASSES

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

A Technician license class was held from July 7th to August 18th on six Thursday nights from 6:15-9:30pm excluding August 4th. 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 Laurel VE team of Joe WA4OVO, Bob AI4GI, Jeff AJ4GY, Perry N4GJ, Rick WA4NVM and Mary Jean KY4FB.

The four students took the opportunity to obtain an Explorer QRZ-1 dual band 2m/70cm radio after they got their licenses.



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



Rick WA4NVM on F0-29 contact with Tech Class 2-22

Photos 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.

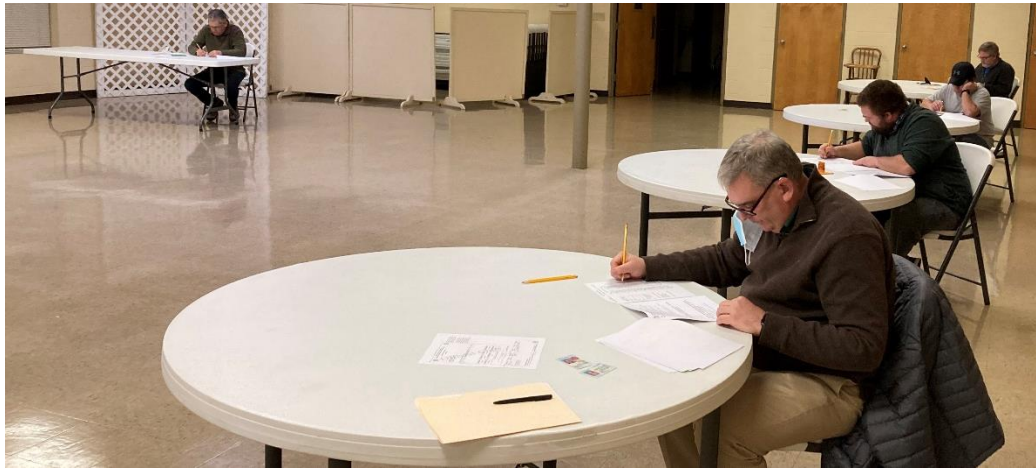
Thanks to the Laurel VEC Team of Barry W5CJ, Jelly N4HLT, David KY4FH, David AJ4KF, Eric WD5FTA and Joe WA4OVO for providing the Laurel FCC test session.

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.

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 ARRL's 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.

ARRL MEMBERSHIP COMMISSIONS Submitted by Joe Lowenthal, WA4OVO

Recently ARRL revised their membership commissions to ARRL clubs that process individual ARRL memberships through the club. The club can receive \$15 for new memberships or renewals of past ARRL memberships over two years old. Current renewals generate a \$5 commission. Current ARRL members can renew/extend their ARRL membership at any time. If you renew early, your ARRL membership is extended for the renewal period from the expiration of your current ARRL membership. The club only gets \$5 for each renewal application no matter how many years being renewed.

Here is a link to the ARRL membership renewal form.

[ARRL-Membership-Application.pdf](#)

Fill it out and bring a check made payable to ARRL to the meeting or mail to the Delta Amateur Radio Club at PO Box 342768, Bartlett TN 38134-2768. Or, you can pay Jim Martin KD4FUU in cash at a meeting. Even though credit card information is on the application, the Delta Club does not want to have access to credit cards so we will not accept an application with a credit card information for payment.

Also, here is a link to the Delta Club Membership Application:
[application-15-3.pdf \(wsimg.com\)](#)

Packet Update

By: James Butler KB4LJV

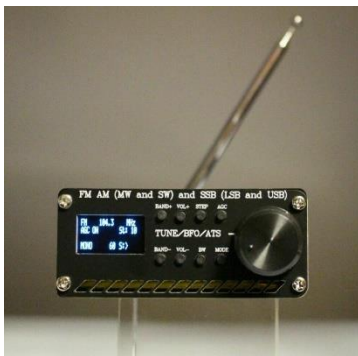
Connector standards on equipment can change on new radios and electronics. This has happened with the headphone and microphone connectors. These connectors were two different 3 pin connectors for many years. The equipment had one connector for the microphone and one connector for the headphones. On new equipment companies have put both functions on one connector that has 4 pins. In order to convert to the older standard we need an adapter. These are available on Ebay and convert the new connector to two separate connectors like older equipment had. These are nice for allowing separate microphone and headphone connections to new equipment. To see all the different types do an Ebay search for “3.5mm stereo audio male to 2 female headphone splitter cable adapter”.



Amateur Hardware Update

By: James Butler KB4LJV

One of the newest HF short wave receivers on the market is based on the SI4732 chip. These ultra small receivers covers 64 to 108 MHz, 520 to 1710 KHz, shortwave bands 2.5 to 26.1 MHz, and 153 to 279 KHz band. You can buy the radio assembled in a case with display and internal battery for less than \$70. The unit has digital tuning and allows for several bandwidth selections. The modes supported are AM, FM, USB, and LSB. The back has a charge switch, headphone connection and BNC antenna port. The PC board version can be bought for about \$40. Go to Ebay to do a search for “si4732 all band radio receiver”. Go to Youtube to see the unit in operation.



**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**

After a break, the YL Net re-started on Saturday, October 15, 2022! The YL Net is every Saturday at 8:45 pm on the 146.820 frequency, which has a PL tone of 107.2 Hz. We encourage all YLs to check in with us on the YL Net!

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
901-541-0310

Secretary

Carolyn Horne KX4QF
KX4QF@arrl.net
901-737-7296

Treasurer

Jim Martin KD4FUU
KD4FUU@gmail.com
248-830-8179

Director of Training

Joe Lowenthal, WA4OVO
wa4ovo@gmail.com
901-628-4318

Director of Publications

Mike Harrison, KM4MRW
mheagle85@gmail.com
731-609-1948

Director of Programs

OPEN

Director of Meetings & Special Events

Scott Adams, KM4PMU
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

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

December 13, 2022: Holiday potluck during meeting

January 14, 2022: Swamp Stompers Race

Memphis Area VHF/UHF Nets

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

Chick-fil-A Paragon Place
6282 Poplar Avenue
At Poplar and Massey
Memphis, TN 38119
W - 901.766.1875
C - 901.230.3043
Joe.Miller@cfafranchisee.com
chick-fil-a.com