

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 83 * December 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 ONLY** at 7 pm on Tuesday, December 13, 2022 at the Ellendale Church of Christ, 7365 Highway 70 in Bartlett, TN (1 ½ miles north of Highway 64 / Stage Road).

There will NOT be a link to Zoom since the meeting is a potluck dinner.

There will NOT be FCC Testing Tuesday night.

Program: There will be a potluck dinner in lieu of a program.

Announcements

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 hams, drinks, plates and utensils. We need everyone else to bring a side dish and/or dessert (and the serving ware, if required). After the potluck dinner, we will celebrate some of our club members with an awards ceremony. Don't miss out on this chance to celebrate all that Delta Club members have accomplished this year!

President's Corner
Submitted by Mary Jean Hall, KY4FB

Submitted by Mary Jean Hall KY4FB

It's hard to believe that another year has come and gone. While the year may be winding down, the fun has not! This month's meeting on Tuesday, December 13 will be a potluck dinner, and we expect that there will be plenty of comradery and fun for all!

Since this will be a potluck dinner, we will NOT have a Zoom link for the meeting. We hope everyone can attend, of course, but please consider staying home if you are not feeling well. While we would love to see everyone, we want to keep our members as healthy as possible so we can continue to offer these in-person events!

The club will be furnishing two hams and the drinks for the potluck. Be sure to tell Scott Adams KM4PMU, our Director of Meetings and Special Events, "thank you" for volunteering to cook the hams for our potluck dinner! Everyone else needs to bring a side or dessert, as well as any serving ware needed for your item(s). After dinner, we will have an awards/recognition service; we look forward to celebrating our members!

This month marks the completion of Carolyn Horne KX4QF's service as Secretary. I wanted to be sure to share my appreciation for all Carolyn has done for Delta Club and Amateur Radio over the past two years! We have certainly been blessed to have Carolyn on the board with us while we work to serve our club. Thank you, Carolyn, for your years of service!

See 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
 November 1, 2022 through November 30, 2022

SUMMARY			
Beginning Balance	\$19,898.36	Minimum Daily Balance	\$19,623
Deposits & Credits	\$185.00 +	Average Monthly Statement Balance	\$19,851
Withdrawals	\$0.00 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$280.19 -		
Ending Balance	\$19,803.17		

DEPOSITS & CREDITS			
11/01	Deposit - Thank You		5.00
11/29	Deposit - Thank You		180.00
			Total Deposits & Credits
			\$185.00

CHECKS					
Date	Check No.	Amount	Date	Check No.	Amount
11/22	1573	66.00	11/28	1575	157.91
11/16	1574	56.28			
					Total Checks
					\$280.19

* Break In Check Number Sequence.

DAILY BALANCE SUMMARY					
Date	Balance	Date	Balance	Date	Balance
11/01	19,903.36	11/22	19,781.08	11/29	19,803.17
11/16	19,847.08	11/28	19,623.17		

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	\$10.32
SHOW ACCOUNT NUMBER *8481			
<u>ISSUE DATE</u>	<u>LAST INTEREST AMOUNT PAID</u>	<u>PREVIOUS YEAR INTEREST</u>	
10/28/2022	\$0.00	\$0.00	
<u>ISSUE VALUE</u>	<u>DATE LAST INTEREST PAID</u>	<u>MATURITY DATE</u>	
\$5,000.00	10/27/2022	11/25/2023	
▲ 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	\$25.57
SHOW ACCOUNT NUMBER *8503			
<u>ISSUE DATE</u>	<u>LAST INTEREST AMOUNT PAID</u>	<u>PREVIOUS YEAR INTEREST</u>	
10/28/2022	\$0.00	\$0.00	
<u>ISSUE VALUE</u>	<u>DATE LAST INTEREST PAID</u>	<u>MATURITY DATE</u>	
\$11,000.00	10/27/2022	11/26/2024	
▲ Hide More Details			

Applications Received - November 2022

(0) New Membership(s) - Pro-Rated Dues	\$0.00
(0) New Membership(s) - Dues Waived	\$0.00
(3) New Membership(s)	\$60.00
(6) Membership Renewal(s)	\$120.00
(0) Donations Received	\$0.00

Total Dues Received \$180.00

Other Deposits & Credits

(0) ARRL Club Commission - New Members (\$15.00)	\$0.00
(1) ARRL Club Commission - Renewals (\$5.00)	\$5.00

Total Other Deposits \$5.00

Total Deposits \$185.00

Withdrawals

Total Payments \$0.00

Checks

Chk # 1573 - Nashoba Amateur Radio Club - CPR/AED Class w/card (3 club members @ \$22 each)	\$66.00
Chk # 1574 - Scott Adams - Reimbursement for Club Meeting Refreshments	\$56.28
Chk # 1575 - Robert Vawter - Annual GoDaddy Website Renewal - deltaclub.org	\$157.91

Total Payments \$280.19

DARC Board of Directors Meeting Minutes

Submitted by Carolyn Horne, KX4QF

DARC Board of Directors Meeting Minutes for December 6, 2022

Attendees: Mary Jean Hall KY4FB, Carolyn Horne KX4QF, Joe Lowenthal WA4OVO, Mike Harrison KM4MRW, Scott Adams KM4PMU, Barry McDonald W5CJ and Len Grice W4MKS.
Absent: John Reiners KN4BVH, Jim Martin KD4FUU.
Guests: Paul Broom KY4MX.

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, December 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 opened a discussion on the December potluck dinner planning. Scott Adams said he will be bringing two cooked hams, coffee, diet coke and paper plates. He will be on site at around 5:30 PM. He asked if anyone is there before him to please check on the ice. Mary Jean Hall reminded us there will be no Zoom link provided nor FCC testing before the meeting.

The board heard nominations for end-of-year awards, then voted unanimously to accept them.

Mary Jean Hall presented the 2023 proposed budget for Treasurer Jim Martin since he was out sick.

Carolyn Horne reported on the transition process of Club Secretary office to Paul Broom. Binders and a thumb drive will be handed over at the December meeting.

Mary Jean Hall said the Bluff City Blues Ride has asked for help again this year. The ride is taking place on September 30, 2023.

Len Grice had nothing to report.

Carolyn Horne announced we had three new and six renewed membership applicants, including one for 2024. Joe Lowenthal made a motion to accept them, Barry McDonald seconded the motion and the motion passed. Carolyn also added a new page to the Master Membership List for Silent Keys.

Barry McDonald said the repeaters are running smoothly.

Joe Lowenthal reported that 3 out of 4 students who tested for their General the previous night passed. About 7 finished the class.

He is scheduling an Extra Class starting in January. If you are interested in taking this class, send Joe an email at wa4ovo@gmail.com with 'Extra Class' in the subject line and include your name, callsign and cell phone number in the body. After the Extra Class he will schedule another Tech Class. Stay tuned for more details.

Paul Broom attended the meeting in preparation for assuming the office of Secretary in January 2023. We wish Paul every success!

Mike Harrison is working on SPARKS. He requested updated bio's from new board members.

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.

Mary Jean Hall adjourned the meeting at 7:29 PM. The next regular Board of Directors meeting is scheduled for Tuesday, January 3, 2023, 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 November 15, 2022

Call to Order and Opening Remarks

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, November 15, 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 41 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 Wehner KN4FBJ seconded the motion. The motion was adopted by the club without objection.

Announcements

Mary Jean Hall KY4FB took a roll call of those present in-person and announced that two Club members had recently become silent keys: Mike Sayle KX4WO and Danny Banks KJ4FXZ. The Club extends its sincere sympathies to their families. They will be missed.

Bob Vawter KW4RJ said there were no testers before the meeting and reminded everyone that there will be no testing before the meeting in December.

Mary Jean Hall KY4FB reminded members of the potluck dinner on December 13th at the Ellendale Church of Christ. There will be a short business portion beforehand that will include award presentations. Cooked hams will be provided, and members are encouraged to bring other side dishes and serving utensils.

Joe Lowenthal WA4OVO said a General Class has started, taking place on six Monday nights from 6:15 – 9:30 from the 7th of November, running through the 5th or 12th of December. He also plans to schedule an Extra Class beginning the first week of January 2023, then a Technician Class in the latter part of February 2023.

He put a notice in SPARKS regarding renewing ARRL membership through the Club, along with a link to the required application form. Please take advantage of this since the Club does receive a \$15 commission for new memberships and \$5 for renewals.

Joe announced that past DARC President (2008-2009) Hugh Wardlaw III WB4SLI recently had a stroke. He is recovering at the Ave Maria home in Bartlett. Please keep Hugh in your prayers, and he may appreciate receiving get-well cards for encouragement. See QRZ for his mailing address.

Barry McDonald W5CJ said he had no updates to give on the repeaters. Good news!

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

Mary Jean Hall KY4FB said she is ready to make another polo shirt order. The fees are: \$41 XS-XL, \$43 2X, \$47 3X and \$49 4X. Email Mary Jean at ky4fb.tn@gmail.com if you are interested.

Mary Jean Hall KY4FB said that there will not be a Zoom link for the December meeting, just an in-person short meeting and potluck dinner. She reminded members to get in their dues for 2023. The fee remains \$20 for a single membership and \$25 for families.

Mary Jean Hall KY4FB chaired the Board of Directors 2023 elections. The roster presented was as follows.

President	Mary Jean Hall KY4FB
Vice President	Perry Hayes N4GJ
Secretary	Paul Broom KY4MX
Treasurer	Jim Martin KD4FUU
Dir of Training	Joe Lowenthal WA4OVO
Dir of Publications	Mike Harrison KM4MRW
Dir Programs	John Reiners KN4BVH
Dir of Meetings and Special Events	Scott Adams KM4PMU
Repeater Trustee	Barry McDonald W5CJ
Public Information Officer	Len Grice W4MKS

Mary Jean asked members to accept the nominees by acclamation since there were no contenders for any of the positions.

Ham Hilliard W4GMM made a motion to accept and Richard Martin K4DXF seconded the motion. The motion passed. Congratulations to each member of the 2023 board. We wish you every success!

There was a short 5–10-minute break and the meeting resumed at 7:31 PM.

Discussion / Program

John Reiners KN4BVH introduced the evening's speaker, David Thomas KM4NYI, ARRL Tennessee Section Manager, who briefed us about what has been going on in our section.

An interesting Q&A followed.

Closing Remarks

Mary Jean Hall KY4FB once again reminded all members next month's meeting in December will feature a potluck dinner at the Ellendale Church of Christ and no Zoom link will be available. Hams will be provided, and members are encouraged to bring soups, side dishes and desserts.

Delta Club President Mary Jean Hall KY4FB adjourned the meeting at 8:23 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, December 13, 2022, at 7:00 PM in-person only.

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

5 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 **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.**

The next **General** license class will probably start in early November 2023

Extra Class 1-23 – January 7 – February 25, 2023

An Extra Class license class will be held for seven Saturdays from 9am to 1pm from January 7th to February 25th if there are at least six students registered. To register, send an email to wa4ovo@gmail.com with Subject line: Extra Class and name, callsign, email address and cellphone number in text area by January 3rd. The first six classes will be via Zoom with the seventh period an in-class opportunity to take the FCC exam.

CURRENT CLASS

None

COMPLETED CLASSES

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

A General Class license class was held for five Monday nights from 6:15-9:30pm from November 7th to December 5th. The first four classes were via Zoom with the fifth class in

person at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). The ARRL FCC exam was offered on the fifth night of class. There were 13 students registered for the class. Seven students completed the class with only four testing.

Congratulations to Davis Colston K5TGR, Bob O'Gradr KO4ZCJ and Will Tenney KO4TLY for upgrading to General.



General Class 5-22 ARRL FCC test session

Photo by Joe Lowenthal WA4OVO

The instructors were Joe WA4OVO, Steve KK4VPT, Perry N4GJ, Paul KA4X, Barry W5CJ, Len W4MKS, Park AI5CY and David KY4FH.

The Delta Club ARRL VE Team of Bob KW4RJ, Mary Jean KY4FB, Perry N4GJ, Bob AI4GI and Joe WA4OVO provided the opportunity for FCC testing.



General Class 5-22 VEs

Photo by Joe Lowenthal WA4OVO

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.

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.

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.

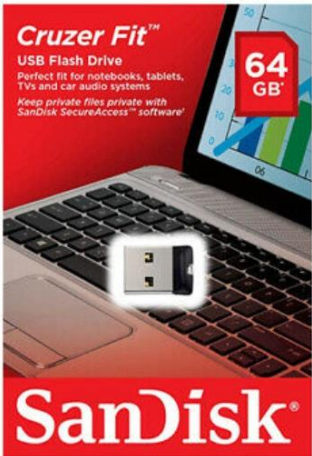
[ARRL-Membership-Application.pdf](#)

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

Many times we want to save files we create for amateur radio, personal data, or word processing. Thumb drives allow us save these files on a small portable device. This backup copy is good to have in case data is lost on primary drive because of failure. Files can also be carried to other locations and plugged in to another computer. The amount of data these thumb drives can hold continues to increase. The transfer data speeds of these on read and write tests have gone up as newer designs come to the market. The best part is the price keeps going down. One brand I really like is Sandisk. These drives are fast and have a good price. Beware of “FAKE” thumb drives that claim outrageous capacities for very cheap prices. To see all that is available do a Ebay search for “thumb drive”.



Amateur Hardware Update

By: James Butler KB4LJV

Many of us are using batteries for power backup. Ebay now has several types of battery monitoring systems for sale. These have nice LCD screens to display lots of information about your battery. Some systems include a shunt which hooks up to the monitor and allows you to see current draw from the battery. Some monitors allow you to see the total amp-hours used from the battery which helps determine battery health and capacity. This makes a nice addition to your battery emergency power system to stay informed about your battery. To see all the battery monitors available do an Ebay search for “battery monitor”.



USA
FAST SHIPPING



**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 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

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Repeater Trustee

Barry McDonald W5CJ
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901-853-0510

Upcoming Events

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

January 14, 2023:	Swamp Stompers Race, Shelby Forest
January 27-28, 2023:	Jackson MS Capital City Hamfest / ARRL Mississippi State Convention (Jackson, MS)
February 10-12, 2023:	Orlando HamCation (Orlando, FL)
April 8, 2023:	MARA's FreeFest, Bartlett, TN
June 17, 2023:	Knoxville Hamfest and Electronics Convention / ARRL Tennessee State Convention (Knoxville, TN)
June 24-25, 2023:	ARRL Field Day
September 30, 2023:	Bluff City Blues Bike Ride, Shelby Forest

Memphis Area VHF/UHF Nets

Name of Net	Frequency (MHz)	Offset/Tone	Local Time	Day of Week
Delta Club Information Net	146.82	- (107.2)	8:00p	Daily
YL Net	146.82	- (107.2)	8:45p	Saturday
Four-Forty Net	443.7	+(107.2)	8:30p	Friday
Mid-South Bullfrog Net	146.535	[simplex]	7:30p	Daily
Elmer Net	444.175	+ (107.2)	9:00p	Sunday
MedMERS Net	146.82	- (107.2)	12:00p	Wednesday
ARES Training Net	146.85	- (107.2)	9:00p	Thursday
Sunday Super Niner Net	927.6125	- (146.2)	8:30p	Sunday
TN Statewide DMR Net	Digital – DMR		8:00p	Friday
Crittenden ARO	147.15	+ (107.2)	8:00p	Sunday
Linked	442.4	+ (107.2)	8:00p	Sunday
Olive Branch ARC	147.255	+ (79.9)	8:30p	Thursday
Linked	444.7	+ (107.2)	8:30p	Thursday
Desoto County EMA	146.91	+ (107.2)	8:30p	Monday
Tipton ARS	145.49	+ (100.0)	7:30p	Thursday

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)



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Owner

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