

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 93 * October 2023



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, October 10, 2023.

*****MEETING LOCATION*****

The meeting will be held at Mid-America Theological Seminary located at 2095 Appling Rd, Memphis, TN 38016. See the Delta Club webpage at: <http://www.deltaclub.org> for detailed instructions on how to find the correct entrance. Parking is in the back of the south end of the building. The meeting will be in the Betty Howard Special Events Room.

There will be FCC Testing Tuesday in Room B201.

Program: "The Wildfires in Maui" by Billy Freeman WL4B

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

Board of Directors Election Approaching

We are approaching election time and need two more individuals to serve as President and Secretary positions. Perry Hayes N4GJ, will accept nominations. Please contact Perry Hayes N4GJ at pshayes@gmail.com or 901-626-2279.

To be nominated, one must have attended at least six of the past twelve membership meetings at the time of election, which is Tuesday, November 14, 2023. If you are unsure of how many meetings you have attended, check with Paul Broom KY4MX. More information about the board responsibilities and the election process can be found in Article IV of our bylaws: https://img1.wsimg.com/blobby/go/58124ffd-d6ca-4502-9af37fa04c033729/downloads/DARC%20Bylaws_2021.pdf?ver=1690123687369. (The bylaws are posted at the bottom of the Membership page on www.deltaclub.org.)

2023 A Day In The Park

The Mississippi Section sponsors A Day in the Park once a year with clubs around the state. This year it will be held October 14, 2023 from 9am – 3pm at Olive Branch Park coordinated by both the Chickasaw Amateur Radio Association and the Olive Branch Amateur Radio Club. The following is a link to their flyer: [20230925-ditp-flyer.pdf \(qsl.net\)](#)

ARRL Dues Increase

ARRL Dues is going up from \$49 to \$59 per year on January 1, 2024. There is a discount for 2 and 3 year renewals. You can renew your membership any time and the term will be added to the current expiration date. If you renew your ARRL membership through the club, the club will receive \$5. Complete the ARRL application and make checks payable to Delta Amateur Radio Club.

President's Corner

Submitted by Mary Jean Hall, KY4FB

October President's Corner

Submitted by Mary Jean Hall KY4FB

The 2024 Board of Directors nominations will occur at this month's meeting and the election will be held next month. At the time of writing this report, we still have a few positions to be filled. The foundation of ham radio is built on volunteering. If you can spare a few hours each month, I encourage you to consider running for a spot on the board. It's one of the most rewarding experiences and it's critical to keeping Delta Amateur Radio Club running smoothly. Even if you have only been with us for one or two years, consider serving on the board!

Speaking of next month, we will have prizes at the November meeting! All you have to do for a chance to win something is show up to a member meeting. We should have a wide variety of items available, so make plans to be at that meeting!

We had two radio communication events since our last club meeting: the Bluff City Blues Ride and the Simulated Emergency Test. Both events went well and provided great opportunities to practice our radio communication skills. If you were not able to participate in those events, you can still get out and practice on your own. It's always a good time to work on your go-box, emergency power sources or do anything else to be prepared for unknown emergency situations!

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
September 1, 2023 through September 29, 2023

SUMMARY			
Beginning Balance	\$19,798.28	Minimum Daily Balance	\$19,798
Deposits & Credits	\$1,586.47 +	Average Monthly Statement Balance	\$20,134
Withdrawals	\$0.00 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$165.59 -		
Ending Balance	\$21,219.16		

DEPOSITS & CREDITS		
09/12	Deposit - Thank You	80.00
09/14	Deposit - Thank You	167.10
09/18	Deposit - Thank You	75.20
09/18	Deposit - Thank You	294.00
09/26	Deposit - Thank You	275.00
09/26	Deposit - Thank You	399.60
09/29	Deposit - Thank You	295.57
Total Deposits & Credits		\$1,586.47

CHECKS					
Date	Check No.	Amount	Date	Check No.	Amount
09/20	1601	100.00	09/18	1602	65.59
Total Checks					\$165.59

* Break In Check Number Sequence.

DAILY BALANCE SUMMARY					
Date	Balance	Date	Balance	Date	Balance
09/12	19,878.28	09/18	20,348.99	09/26	20,923.59
09/14	20,045.38	09/20	20,248.99	09/29	21,219.16

SMALL BUSINESS CD *8481

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$5,074.59	1.980 %	\$74.59	\$18.20
SHOW ACCOUNT NUMBER *8481			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$24.98	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$5,000.00	7/28/2023	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>
\$11,185.00	2.230 %	\$185.00	\$45.19
SHOW ACCOUNT NUMBER *8503			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$62.01	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$11,000.00	7/28/2023	11/26/2024	
▲ Hide More Details			

Applications Received - Sep 2023

(0) New Membership(s) - Pro-Rated Dues	\$0.00
(1) New Membership(s) - Dues Waived	\$0.00
(0) New Membership(s)	\$0.00
(4) Membership Renewal(s)	\$85.00
(0) Donations Received	\$0.00
Total Dues Received	\$85.00

Other Deposits & Credits

(5) ARRL Club Commission - New Members (\$15.00)	\$75.00
(1) ARRL Club Commission - Renewals (\$5.00)	\$5.00
Club Equipment Sales - Karen Chancellor Estate	\$167.10
Club Equipment Sales - Karen Chancellor Estate	\$75.20
Club Equipment Sales - Trenton Fleamarket	\$294.00
Club Equipment Sales - Sales at September 12th Club Meeting	\$275.00
Club Equipment Sales - 2 QRP Transceivers plus Shipping	\$399.60
Field Day 2023 - Reimbursement from Nashoba ARC	\$210.57
Total Other Deposits	\$1,501.47

Total Deposits \$1,586.47

Withdrawals

None	\$0.00
Total Withdrawals	\$0.00

Checks

Check #1601 - Mid-America Baptist Theological Seminary - Donation	\$100.00
Check #1602 - Scott Adams - Reimbursement for Club Refreshments	\$65.59
Total Payments	\$165.59

DARC Board of Directors Meeting Minutes

Submitted by Paul Broom, KY4MX

DARC Board of Directors Meeting Minutes for October 4, 2023

Attendees: Mary Jean Hall KY4FB, Perry Hayes N4GJ, Paul Broom KY4MX, Jim Martin KD4FUU, Joe Lowenthal WA4OVO, John Reiners KN4BVH, Scott Adams KM4PMU, Barry McDonald W5CJ and Len Grice W4MKS.

Absent: Mike Harrison KM4MRW

Guests: None

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, October 3 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.

Unfinished Business

There was no unfinished business.

New Business

Jim Martin KD4FUU presented the monthly Treasurer's report. He also discussed prizes for the November member meeting. Several recommendations were made for items to consider.

Paul Broom KY4MX presented 1 new and 4 renewal applications for membership. He moved to accept these applications, and the motion was seconded by Joe Lowenthal WA4OVO. The motion passed without objection.

Board/Officer Reports

Joe Lowenthal WA4OVO indicated that he had not received any updates on the repair of the Ellendale Church of Christ facility.

Mary Jean Hall KY4FB gave an update on the Bluff City Blues Ride. There were some minor communications issues with volunteers, but everything was covered. More club members supported as SAG (Supplies and Gear) drivers versus manning SAG stations this year. There was a limited discussion after the event with the event coordinator regarding having some earlier planning sessions with the Delta Club on next year's support. There were no major incidents and everything seemed to go well.

She also mentioned that the Elmer sign up sheet at the last meeting seemed to go well. One issue that was raised at the meeting was able to be addressed after the meeting resolving the issue. A couple of members volunteered to be Elmers. There were a couple of other HF issues that were raised that still need assistance. She indicated that she's working to get the individuals paired with Elmers.

A discussion was held on the upcoming Board elections. There are two positions, President and Secretary, that currently do not have anyone nominated. Some potential candidates were discussed, and Mary Jean Hall KY4FB asked everyone to continue looking for potential candidates.

Mary Jean Hall KY4FB brought up the discussion from the prior Board meeting regarding increased youth involvement. It was discussed that a few members are looking to support the upcoming Boy Scout Jamboree on the Air event. It was agreed to table further youth initiatives until next year.

Joe Lowenthal WA4OVO gave an update on training. He is looking to schedule a General Class starting at the end of October or the first of November. He is trying to firm up a location for the training, but is also considering Zoom as an alternative if a location cannot be secured. He also indicated that he facilitated testing for another class given by Howard "Jelly" Thompson N4HLT. There were 9 students with 8 passing the Technician exam.

Barry McDonald W5CJ reported that he is working through issues regarding the FRN for the Clubs W4BS license renewal. He also asked if anyone has heard of any complaints regarding the 146.82 repeater. Several indicated that it is working well.

John Reiners KN4BVH said that this month's program would be on the Wildfires in Maui and it will be given by Billy Freeman WL4B. Rick Tillman WA4NVM will be giving a satellite demonstration at the November meeting.

Scott Adams KM4PMU brought up having the December potluck at the current location. He will be getting 2 hams for the dinner. He also indicated that we needed to review the room for the November meeting.

Len Grice W4MKS had nothing to report.

Perry Hayes N4GJ is continuing to do outreach to new members and guest at meetings. He indicated that it seems to be appreciated.

Mary Jean Hall KY4FB asked for a motion to adjourn. Paul Broom KY4MX made a motion that was seconded by John Reiners KN4BVH. The motion passed and Mary Jean Hall adjourned the meeting at 7:30 pm. The next regular Board of Directors meeting is scheduled for Tuesday, November 7, 2023 at 6:30 pm on Zoom.

Respectfully submitted by Paul Broom KY4MX, Secretary

Minutes of Last Month's Club Meeting

Submitted by Paul Broom, KY4MX

DARC Meeting Minutes for September 12, 2023

Call to Order and Opening Remarks

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, September 12, 2023, at 7:00 PM at the Mid-America Baptist Theological Seminary, with the President serving as chair and the Secretary being present. Club President Mary Jean Hall KY4FB called the meeting to order and then welcomed everyone to the meeting. At least 49 members and guests were present for the meeting.

Mary Jean Hall KY4FB reminded everyone to sign in at the front door and to sign one ticket for the November drawing. New members and guests were recognized and she asked that everyone greet them during a break or after the meeting.

Minutes and Treasurer's Report

Ham Hilliard W4GMM moved to approve the Treasurer's Report and Secretary's Minutes as published in Sparks. Ken Laseter KI4AOH seconded the motion. The motion was adopted by the club without objection.

Announcements

Joe Lowenthal WA4OVO gave an update on the recent Technician training class. The class started with 13 to 16, but ended with 10. All 10 of those passed, with one also passing the General exam. There will be a General class that has not been scheduled yet but it is expected to start at the end of October or early November. It will run for 6 weeks and will likely be held on Monday nights.

He also mentioned the equipment was listed in September SPARKS that was available for sale at the meeting. Mary Jean Hall KY4FB thanked Joe for all his efforts in tracking and managing the equipment sales. She also encouraged everyone to take a look to see what was available. She also reminded everyone that the proceeds from sales go to help fund repeater maintenance and repair.

Mary Jean Hall KY4FB announced that the ARRL VOTA W1AW portable will be in Tennessee starting on September 13 and will run for 5 or 6 days. The big change from the spring event where clubs signed up for blocks of time is that there will be individual sign ups. Slots will be broken down by band, day of week and time, and operating mode. Everyone will use the W1AW/4 call sign. Individuals can use their logging software of choice and will need to send in logs in the ADIF format. Steve Frazier KK4VPT mentioned that it actually started later that night as it runs on UTC time. He also mentioned that 2 meters is also available and that this might be a good opportunity to get the club members involved. Mary Jean Hall KY4FB mentioned that we would try to poll members at the next meeting to see how many contacts were made. She also mentioned that there was a sign up sheet and additional information on the table with all the handouts.

She also mentioned that the Bluff City Blues 100 Mile Ride would be on September 30. It is a bike ride that starts off at the Cook's Lake RV Resort and Campground on the northwest side of Frayser. The ride goes through the Shelby Forest area, Holly Grove, Drummonds, Guilt Edge and Burilson. There are several pockets along the way that do not have cellular service. Many volunteers are needed. New hams will be paired up with those with more

experience. It is a good time to test equipment and its likely that an HT would be sufficient given the recent increase in height of the 146.82 repeater antenna. The ride starts at 7:30 am with volunteers needing to be at their stations at around 7:00 am. There have been issues in the past that required calling 911, and so its good to have plenty of volunteers available to be of assistance if needed. The cutoff time for finishing is in the 4:30 to 5:00 pm time frame, but most activity is completed by around 3:00 pm. A signup sheet was on the handout table for people to indicated availability.

Mary Jean Hall KY4FB announced that the nominations for the board positions would take place at the October meeting. Those who are currently serving have indicated a willingness to continue, however, if anyone has interest in serving on the board or serving in other ways, she asked that they let a board member know.

She also reminded everyone that the ARRL will be increasing annual dues in January to \$59 per year. They will also start charging extra for those interested in still receiving the printed copy of the magazines. She also reminded everyone that the club is still participating in the ARRL commission program and so that individuals could renew through the Club and it would receive \$5 per renewing member. Joe Lowenthal WA4OVO also suggested that individuals could renew before January and also renew for multiple years at the current rate. This could be done regardless of the renewal date. He did request that individuals interested in doing this through the club should do so in the November timeframe to allow the Club time to process the applications.

Mary Jean Hall KY4FB mentioned that there had been a lot of good discussion at the previous meeting and that one of the suggestions was to create an Elmer list. A sign-up sheet was available on the handouts table for those who were interested in getting some assistance from an Elmer. The board would then try to find someone to assist. The next phase will be to build a list of Elmers who have expertise in certain areas who would also be willing to assist.

Mary Jean Hall KY4FB asked Randy Redd KQ4HJH to come forward to recognize him again for helping to secure a temporary meeting location for the Delta Club meetings. She presented him with a letter of appreciation to him and the Mid America Baptist Theological Seminary, along with a donation of \$100 to the Seminary. He expressed his appreciation for the donation and assured the group that the donation would be spent with excellent stewardship and that he appreciated the investment in the Seminary's students.

Discussion / Program

John Reiners KN4BVH gave a presentation entitled "From the Roadway to the Airwaves, Taking Ham Radio on the Road". It was a very interesting presentation and there was much discussion from the membership. (The presentation was recorded and is available for viewing on the Delta Amateur Radio Club YouTube page.)

Closing Remarks

Delta Club President Mary Jean Hall KY4FB adjourned the meeting at 8:39 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, October 10, 2023, at 7:00 PM at the Mid American Baptist Theological Seminary.

Respectfully submitted by Paul Broom, Secretary (2023)

Delta Ham License Training, 2023

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 administration 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 2023 from Delta Classes

13 Technician

2 General

3 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. *This question pool will expire on June 30, 2023,*

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.

If interested in a class, send an email to wa4ovo@gmail.com with Subject line: Tech, General or Extra Class and name, email address and cellphone number in text.

The next **Extra Class** license class will probably start in early January 2024
The next **Technician** license class will probably start late February 2024

General Class 4-23 – November 6 – December 11, 2023

A hybrid in-person/Zoom General Class license class is planned for six Monday nights from 6:15-9:30pm from November 6th to December 11th at Memphis Police Department Appling Farms Station training room, 6850 Appling Farms Pkwy, Memphis 38133 on some on Zoom, if there are ten students. The dates are November 6, 13, 20, 27, December 6 and 11. The first and last classes will be in person with the balance via Zoom.

If interested, send an email to wa4ovo@gmail.com with Subject: General Class 4-23 and your name, callsign, phone number and email address in the text area.

CURRENT CLASS

None

COMPLETED CLASSES

Tech Class 3-23 – July 10 – August 14, 2023

A Technician license class was held in person on six Monday nights from 6:15-9:30pm on July 10, 14, 21, 28, August 7 & 14. There were 12 students the first night. The first four classes were instructional and the sixth class was informational on FM radio basics, APRS, satellite, and digital modes the students can operate on. Classes were at the Memphis Police Department Appling Farms Station precinct, 6850 Appling Farms Pkwy, Memphis. The instructors were Paul KA4X, Park AI5CY, Paul KY4MX, John KN4BVH, Perry N4GJ, Joe WA4OVO, Steve KK4VPT, and KX4QF.



John KN4BVH instructing on chapter 9, Safety
 Photos by Joe Lowenthal WA4OVO

Perry N4GJ teaching chapter 6, Modulation

The fifth class on August 7th was a review of the 399 questions and answers in the FCC question pool with an opportunity to take the FCC exam. Ten students completed the classes. All 10 became Technician licensees. Congratulations to Jeff Cline KQ4KKS, Joe Krause KQ4KLH, Laura Meanwell KQ4KLI, Tayloe Nickey KQ4KLJ, Lorenzo Winners KQ4KLN, Randy Snodgrass KQ4KMR, Sean Faust KQ4KNI and Jay Simmons KJ5CFY who earned their Technician licenses. Additional congratulations to Herish Boyd KQ4KCH who tested early for Technician and then upgraded to General when the class tested.



Tech Class 3-23 Testing
 Photos by Mary Jean Hall KY4FB

Tech Class 3-23 VEs Barry W5CJ, Eric WD5FTA,
 Rick WA4NVM, Perry N4GJ and Joe WA4OVO

The Laurel VE Team provided the FCC testing opportunity. Thanks to Barry W5CJ, Eric WD5FTA, Perry N4GJ, Mary Jean KY4FB, Rick WA4NVM and Joe WA4OVO for being the VEs.



Joe WA4OVO presenting Joe KQ4KLH his CSCE with proud parents Stacy KJ4MDA and Jeff AJ4GY
Photo by Perry Hayes N4GJ



Rick WA4NVM on satellite SO-50
Photo by Joe Lowenthal WA4OVO



Rick KJ4NWQ helping on the satellite demo
Photos by Joe Lowenthal WA4OVO



Richard K4DXF aiming antenna with Rick WA4NVM checking azimuth direction

The equipment demonstrators were Joe WA4OVO, Rick WA4NVM/Richard K4DXF, Rick KJ4NWQ and John KN4BVH.

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:

- Digital access to all four ARRL publications -- QST, On the Air, and QEX. QST is the official membership journal of ARRL or On the Air aimed at helping new and emerging radio communicators get active and on the air, 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.

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. **If you join or renew through Delta Club, the club receives a commission. For new ARRL members or expired membership over 2 years there is a \$15 commission; for renewals a \$5 commission** ARRL Application.pdf

ARRL MEMBERSHIP COMMISSIONS Submitted by Joe Lowenthal, WA4OVO

In 2022 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 Delta Amateur Radio Club to the meeting or mail your check 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:

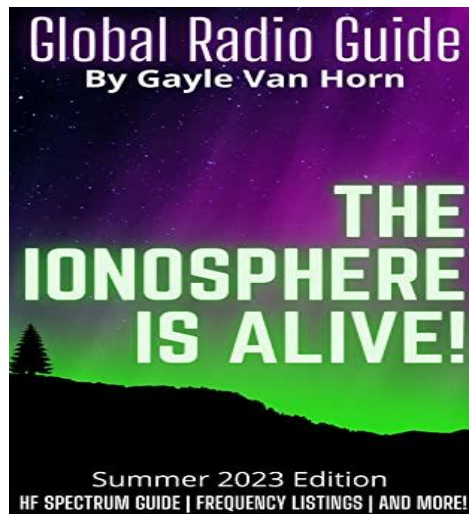
[application-15-3.pdf \(wsimg.com\)](#)

Packet Update

By: James Butler KB4LJV

Many of us listen on the shortwave bands. Finding the right frequency and time to listen to a station can be hit and miss. Some stations also broadcast in different languages at different times of the day. One good publication that contains lots of data for the shortwave listener is the “Global Radio Guide”. This is a great source of shortwave information. The guide is updated often to contain the most up to date information. It has a directory of over 500 stations with a full 24 hour schedule and the language of the broadcast. It covers AM, long wave , and shortwave stations. The guide is available for download on Amazon for less than \$10. If you are looking to find stations you want to listen to check out this guide.

James Butler
KB4LJV



Amateur Hardware Update

By: James Butler KB4LJV

When repairing our equipment the soldering iron has been a tool at the top of our list. Larger through hole components can be removed and replaced by using a soldering iron. Now more equipment has surface mount components on the circuit boards. We now see new equipment to help us with surface mount components. The hot air soldering/desoldering gun allows you to direct 700 degree hot air onto the small component to melt the solder holding it on. You can put the new part on the board and reflow the solder to attach the new part. The good news is the hot air guns are under \$30 on Ebay. For a little bit more you can get the hot air gun and a soldering gun in the same unit. Most of the hot air guns also have a temperature control for the heat. If you need one of these check out Ebay. Do a search for “hot air gun”.

James Butler
KB4LJV



**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 Mary Jean Hall, KY4FB**

The YL Net is every Saturday at 8:45 pm. We normally meet on the 146.820 frequency, which has a PL tone of 107.2 Hz. We are currently meeting on a secondary frequency, which is on the 443.700 W4BS repeater. This has a +5 MHz offset and a PL Tone of 107.2 Hz.

We encourage all YLs and OMs 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>.

2023 Board of Directors

President

Mary Jean Hall, KY4FB
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Upcoming Events

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

October 14, 2023: A Day in the Park

Memphis Area VHF/UHF Nets

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

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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