

# SPARKS

P.O. Box 342768 \* Memphis, Tennessee 38134-2768 \* Volume 94 \* November 2023



**Delta Amateur Radio Club (DARC)**

**Sparks Newsletter**

Website: <http://deltaclub.org>

Facebook:

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

## W4BS

### REPEATER SYSTEM

146.820 <sup>-107.2</sup>	147.360 <sup>+107.2</sup>
146.625 <sup>-107.2</sup>	443.200 <sup>+107.2</sup>
224.420 <sup>-107.2</sup>	443.700 <sup>+107.2*</sup>
144.390 Digipeater	*Fusion

This month's meeting will be **IN PERSON ONLY** at 7 pm on Tuesday, November 14, 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:** "Satellites the Easy Way" by Rick Tillman, WA4NVM

**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](mailto:KW4RJ@ARRL.net)

## Announcements

### **November Election Prize Drawing!**

Remember those prize tickets that you carefully scribbled your name and callsign upon, while attending each in-person club meeting? Now is the time to find out how lucky you are! And... it isn't too late to add one last ticket to the prize barrel. So, please join us at the November club meeting, where you will have the chance to win one of more than a dozen ham radio-related gifts. Best of luck to all!

#### **Prizes include:**

24" Computer Monitors – ARRL Gift Certificates – Nooelec RTL-SDR dongle  
Quansheng UV-K5 Dual Band HT's – "ON AIR" Neon Sign  
TinySA Spectrum Analyzer – Wyze Cam Pan IP Cameras – NanoVNA

*\*\*\* Please note that you must be present to win, and no more than one prize may be awarded per attendee.*

### **Board of Directors Election is This Meeting**

The elections will be held on Tuesday, November 14th, and we are still looking for an individual to serve as President. Perry Hayes N4GJ, will accept nominations. Please contact Perry Hayes N4GJ at [pshayes@gmail.com](mailto: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](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](http://www.deltaclub.org).)

### **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

November President's Corner  
Submitted by Mary Jean Hall KY4FB

This month's meeting is one you do not want to miss! We are electing the 2024 Delta Club Board of Directors, and we will also be giving away some prizes during the meeting! Be sure to check out the list of prizes listed above in the Announcements Section. You must be present at the meeting to win. Tickets are based on attendance; you'll get a ticket for showing up to Tuesday's meeting, too.

As the year winds down, schedules tend to get busier. Don't forget to "save the date" for our annual Christmas Potluck Dinner! In lieu of a program during the December meeting, we will have a Christmas Potluck Dinner. Typically Delta Club provides the ham(s) as the main course, while the members bring the various sides and desserts. More details will be announced closer to time.

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 30, 2023 through October 31, 2023

**SUMMARY**

<b>Beginning Balance</b>	<b>\$21,219.16</b>	Minimum Daily Balance	\$20,869
Deposits & Credits	\$435.00 +	Average Monthly Statement Balance	\$21,085
Withdrawals	\$0.00 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$354.49 -		
<b>Ending Balance</b>	<b>\$21,299.67</b>		

**DEPOSITS & CREDITS**

10/04	Deposit - Thank You	5.00
10/24	Deposit - Thank You	326.00
10/27	Deposit - Thank You	24.00
10/27	Deposit - Thank You	80.00
Total Deposits & Credits		\$435.00

**CHECKS**

<u>Date</u>	<u>Check No.</u>	<u>Amount</u>	<u>Date</u>	<u>Check No.</u>	<u>Amount</u>
10/11	1603	249.34	10/10	1604	105.15
				Total Checks	\$354.49

\* Break In Check Number Sequence.

**DAILY BALANCE SUMMARY**

<u>Date</u>	<u>Balance</u>	<u>Date</u>	<u>Balance</u>	<u>Date</u>	<u>Balance</u>
10/04	21,224.16	10/11	20,869.67	10/27	21,299.67
10/10	21,119.01	10/24	21,195.67		

## SMALL BUSINESS CD \*8481

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$5,099.98	1.980 %	\$99.98	\$2.49
<a href="#">SHOW ACCOUNT NUMBER</a> *8481			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$25.39	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$5,000.00	10/28/2023	11/25/2023	
<a href="#">▲ Hide More Details</a>			

## SMALL BUSINESS CD \*8503

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$11,248.05	2.230 %	\$248.05	\$6.18
<a href="#">SHOW ACCOUNT NUMBER</a> *8503			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$63.05	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$11,000.00	10/28/2023	11/26/2024	
<a href="#">▲ Hide More Details</a>			

<b>Applications Received - Oct 2023</b>		
(0) New Membership(s) - Pro-Rated Dues		\$0.00
(0) New Membership(s) - Dues Waived		\$0.00
(1) New Membership(s)		\$20.00
(2) Membership Renewal(s)		\$60.00
(0) Donations Received		\$0.00
	<b>Total Dues Received</b>	<b>\$80.00</b>
<b>Other Deposits &amp; Credits</b>		
(0) ARRL Club Commission - New Members (\$15.00)		\$0.00
(1) ARRL Club Commission - Renewals (\$5.00)		\$5.00
Club Equipment Sales - Day in the Park (Olive Branch, MS)		\$175.00
Club Equipment Sales - Crowley's Ridge ARC Fleamarket		\$151.00
Club Equipment Sales - Sales at October 10th Club Meeting		\$24.00
	<b>Total Other Deposits</b>	<b>\$355.00</b>
	<b>Total Deposits</b>	<b>\$435.00</b>
<b>Withdrawals</b>		
None		\$0.00
	<b>Total Withdrawals</b>	<b>\$0.00</b>
<b>Checks</b>		
Check #1603 - Joe Lowenthal - Reimbursement for club expenses, shipping charges, and renewal of W4BS FCC license		\$249.34
Check #1604 - Scott Adams - Reimbursement for Club Refreshments		\$105.15
	<b>Total Payments</b>	<b>\$354.49</b>

## **DARC Board of Directors Meeting Minutes**

**Submitted by Paul Broom, KY4MX**

DARC Board of Directors Meeting Minutes for November 7, 2023

*Attendees: Mary Jean Hall KY4FB, Perry Hayes N4GJ, Paul Broom KY4MX, Jim Martin KD4FUU, Joe Lowenthal WA4OVO, Mike Harrison KM4MRW, Scott Adams KM4PMU, Barry McDonald W5CJ and Len Grice W4MKS.*

*Absent: John Reiners KN4BVH*

*Guests: None*

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, November 7 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 indicated that a CD is maturing at the end of November, and options for reinvestment were discussed. He also reviewed the prizes to be given away at November member meeting.

Paul Broom KY4MX presented 1 new and 2 renewal applications for membership. He moved to accept these applications, and the motion was seconded by Perry Hayes N4GJ. The motion passed without objection.

### **Board/Officer Reports**

Joe Lowenthal WA4OVO gave an update on training. The General Class started on Monday night (11/06) with 7 of 8 expected students in attendance. The class will continue for a total of 5 or 6 Monday nights, depending on the completion rate for the course material. He also gave a brief update on estate equipment sales. He attended the Crowleys Ridge Amateur Radio Club Fleamarket in Truman Arkansas and sold approximately \$150 in equipment. He also attended

the Tupelo Trade Days and sold an additional \$75. He discussed how we might sell more equipment at the Jackson MS hamfest.

Barry McDonald W5CJ reported that the Clubs W4BS license has been renewed.

Scott Adams KM4PMU discussed preparations for November meeting and the December potluck.

Len Grice W4MKS had nothing to report.

Mike Harrison KM4MRW indicated that everything is currently on track for the publication of Sparks on Sunday night.

Rick Tillman WA4NVM will be giving a satellite demonstration at the November meeting.

Perry Hayes N4GJ indicated that all Board positions, except president, have someone nominated for next year. He is continuing to reach out to some additional members who may be willing to serve on the Board.

Mary Jean Hall KY4FB adjourned the meeting at 7:30 pm. The next regular Board of Directors meeting is scheduled for Tuesday, December 5, 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 October 10, 2023**

### **Call to Order and Opening Remarks**

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, October 10, 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 43 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**

Steve Frazier KK4VPT gave an update of the support for the Bluff City Blues Ride. While support from the club was good, additional help could have been used. He indicated that it was a great opportunity to test equipment and gain experience troubleshooting issues. Mary Jean Hall KY4FB thanked everyone who participated.

John Reiners KN4BVH gave an update on the recent VOTA event. He coordinated a VHF simplex net and had good participation. Steve Frazier KK4VPT participated via HF voice over the week and logged approximately 200 contacts. Mary Jean Hall indicated that Carolyn Horne KX4QF logged 46 contacts via CW.

Joe Lowenthal WA4OVO is planning a General Class but is still firming up the dates and location. A former student is working to secure room at the Semmes-Murphey Clinic on Humphreys at Walnut Grove. Classes will start on either October 30 or November 6 running for 5 or 6 Monday nights from 6:15 to 9:30. He is also planning to have an Extra Class starting in January that will most likely be held on Saturday mornings.

Mary Jean Hall KY4FB gave an update on the Elmer list that was started at the previous meeting. Several folks signed up to either get assistance or act as an Elmer. Two people were paired up before the end of the September meeting, and were able to resolve the individual's issue before leaving the meeting. She is still working to pair the other folks with Elmers soon.

She also indicated that the election for Board positions will take place at the November meeting. That meeting will also include the annual prize drawing. She asked that anyone interested is potentially serving on the Board to let the club know in the upcoming discussion on nominations.

Barry McDonald W5CJ reported that the 146.82 repeater seems to be working really well and has deemed that it be considered fixed. He also discussed issues he was encountering with regard to renewing the Club's W4BS license but believes that all issues will be resolved soon.

Joe Lowenthal WA4OVO announced that the upcoming Saturday is the “Day in the Park” event from 9:00 to 3:00. The Mississippi Section of the ARRL holds the event annually at different parks around the state. It is an outdoor HamFest and Flea Market that will also include speakers and free food. The Delta Club will have a table and be offering equipment for sale. It will be held at the Olive Branch City Park.

Mary Jean Hall KY4FB announced that the floor was to be opened for Board position nominations. She indicated that due to other time commitments that she would not be running for re-election as Board President. She encouraged everyone to consider serving in some capacity, either on the Board or in a support position. She stated that the primary requirement for serving on the Board is that the person must have attended at least 6 of the previous 12 month’s meetings.

### **New Business**

Mary Jean Hall KY4FB opened the floor for nominations, and Perry Hayes N4GJ came forward to present the currently known nominations which are:

- President - Open
- Vice President - Perry Hayes N4GJ
- Treasurer – Jim Martin KD4FUU
- Secretary - Open
- Director of Training – Joe Lowenthal WA4OVO
- Director of Publications – Mike Harrison KM4MRW
- Director of Programs – John Reiners KN4BVH
- Director of Meeting and Special Events – Scott Adams KM4PMU

He then called for a nomination from the floor to accept these nominations. Johnathan Urschel KO4WAQ moved to accept the nominations as presented. The motion was seconded by John Duty KK4LST. After much discussion, an amendment to the list to include Ty McMahan KX4MQ as Vice President and Perry Hayes N4GJ as Secretary was made by Joe Plunk NS4E. This was seconded by Rick Kanschat N0KYN. The revised slate is as follows:

- President - Open
- Vice President – Ty McMahan KX4MQ
- Treasurer – Jim Martin KD4FUU
- Secretary - Perry Hayes N4GJ
- Director of Training – Joe Lowenthal WA4OVO
- Director of Publications – Mike Harrison KM4MRW
- Director of Programs – John Reiners KN4BVH
- Director of Meeting and Special Events – Scott Adams KM4PMU

The motion was tabled until the next meeting. Perry Hayes asked that people consider running for any of the positions and asked that any interested contact him to express interest or also if they had questions. Mary Jean Hall KY4FB thanked Perry for his work as chair of the nominating committee and also to the other members of the committee for their participation.

### **Discussion / Program**

John Reiners KN4BVH introduced Billy Freeman WL4B who gave a presentation entitled “Lahaina Hawaii Wildfire Deployment, Situational Awareness Communications in Today’s Disaster Area”. 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 8:19 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, November 14, 2023, at 7:00 PM at the Mid America 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](mailto: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](mailto: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

### CURRENT CLASS

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

An in-person General Class license class is being held on six Monday nights from 6:15-9:30pm from November 6<sup>th</sup> to December 11<sup>th</sup> at Semmes-Murphey Clinic training room, 6305 Humphreys Blvd, Memphis 38120. The dates are November 6, 13, 20, 27, December 6 and 11. The first four or five classes are instructional with the fifth or sixth class an opportunity to take the FCC exam.

There are eight students in the class-Jeff KQ4KKS, Sean KQ4KNI, James KQ4GGX, Jack KN4FDK, Bill KQ4DTS, Loy KQ4LPM, Jay KJ5CFY, and Julian KO4ZPS. The instructors are Park AI5CY, Steve KK4VPT, Perry N4GJ, Carolyn KX4QF, Ken KI4AOH, Barry W5CJ, Joe NS4E, John KN4VBH, Paul KA4X and Joe WA4OVO.

### 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 7<sup>th</sup> 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](http://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

Amateur radio antennas have a different impedance depending on the type. LDG now has a complete collection of Baluns and Ununs that are used to match the different antenna styles. Impedance matching includes 1 to 1, 4 to 1, and 9 to 1. All of these are completely assembled with free shipping for under \$30. All units have SO-239 connectors for input. Output is either an SO-239 or twin wire terminals depending on the style. These are sold by DX Engineering. If you are looking to match your radio to your antenna check these out. The web address is <https://www.dxengineering.com/>

James Butler  
KB4LJV

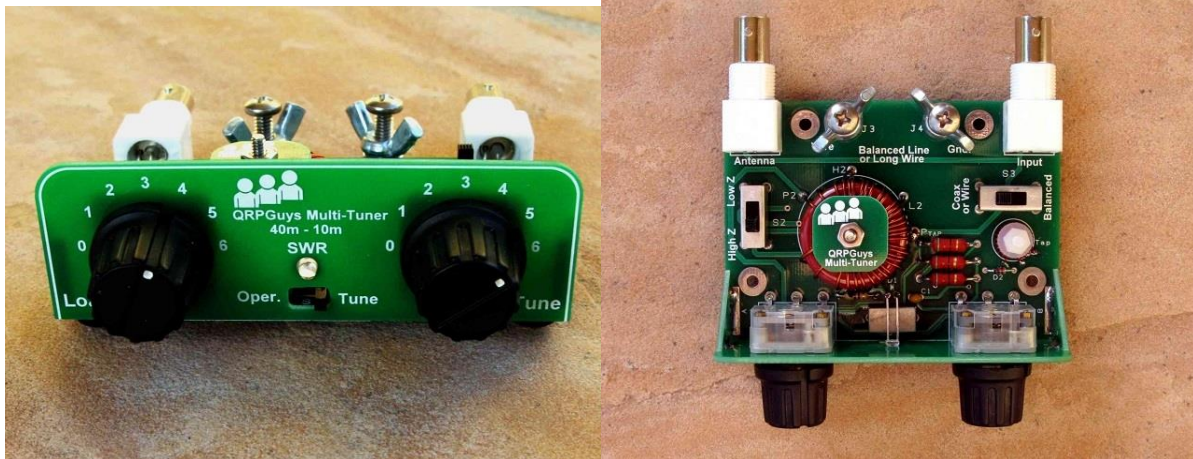


## Amateur Hardware Update

By: James Butler KB4LJV

One of the new QRP tuner kits on the market is the QRPGuys MultiZ-Tuner. It is a small manual tuner that covers 40 to 10 meters. The tuner handles 5 watts continuous. The kit can be built in 2 to 3 hours. The tuner can handle a wide matching range. The tuner also has a built in LED tuner indicator. In the tune position the finals of the radio are protected from the mismatch until you get it tuned. Outputs include BNC, Long wire and balanced line. If you are looking for a small versatile tuner check this one out from QRPGuys. The web address is <https://qrpguys.com/tuners>

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

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Mary Jean Hall, KY4FB  
[ky4fb@arrl.net](mailto:ky4fb@arrl.net)  
901-356-1475

### **Vice President**

Perry Hayes, N4GJ  
[pshayes@gmail.com](mailto:pshayes@gmail.com)  
901-626-2279

### **Secretary**

Paul Broom, KY4MX  
[Ky4mx@arrl.net](mailto:Ky4mx@arrl.net)  
901-517-1490

### **Treasurer**

Jim Martin, KD4FUU  
[KD4FUU@gmail.com](mailto:KD4FUU@gmail.com)  
248-830-8179

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Joe Lowenthal, WA4OVO  
[wa4ovo@gmail.com](mailto:wa4ovo@gmail.com)  
901-628-4318

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Mike Harrison, KM4MRW  
[mheagle85@gmail.com](mailto:mheagle85@gmail.com)  
731-609-1948

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John Reiners, KN4BVH  
[KN4BVH@comcast.net](mailto:KN4BVH@comcast.net)  
901-541-0310

### **Director of Meetings & Special Events**

Scott Adams, KM4PMU  
[scottedadamsjr@hotmail.com](mailto:scottedadamsjr@hotmail.com)  
901-573-6280

### **Public Information Officer**

Len Grice, W4MKS  
[W4MKS@arrl.net](mailto:W4MKS@arrl.net)  
901-522-6711

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Steve Frazier, KK4VPT  
[sfrazier1@bellsouth.net](mailto:sfrazier1@bellsouth.net)  
901-218-6385

### **Repeater Trustee**

Barry McDonald, W5CJ  
[W5CJ@ARRL.NET](mailto:W5CJ@ARRL.NET)  
901-853-0510

## Upcoming Events

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

## Memphis Area VHF/UHF Nets

<b>Name of Net</b>	<b>Frequency (MHz)</b>	<b>Offset/Tone</b>	<b>Local Time</b>	<b>Day of Week</b>
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

<b>Net Name</b>	<b>Freq. MHz</b>	<b>Local Time</b>	<b>Day of Week</b>
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 (Center for United States Earthquake Consortium)	7.180		As needed

### **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



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