

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 95 * December 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, December 12, 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.

FCC Testing will **NOT** occur Tuesday night.

Program: Potluck Christmas Dinner – Everyone bring a side dish or dessert.

Announcements

DARC Membership Survey

How do YOU like to ham? The new year has new Board members, and we want to hear your input on where to go in 2024. Follow the link to give us a piece of your mind! Find the survey online: <https://forms.gle/5mTKzhXrQWrEzmSY7> We would be honored if you completed the survey. Please let us know if you have any questions or concerns. We welcome your feedback.

Thank you & 73,

Joe Plunk

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

It's hard to believe that we are just a few days out from our final meeting for 2023! This month's meeting will feature our annual Christmas Potluck Dinner. Delta Club will provide two spiral-cut hams and beverages. Club members will need to bring the sides and desserts. We will also present some awards and recognize members. It is an event that you do not want to miss!

"How do YOU like to ham?" is a question that Delta Club needs answered! Listed below in SPARKS is a link to a survey that will help the incoming Board of Directors get an idea of what members are looking for in the coming year. Please take a few minutes to fill that out. Your feedback will be critical to developing plans. There should be a way to take the survey at the meeting, too. So, if you forget to fill it out, be sure to fill it out at the meeting Tuesday night.

Finally, I would like to say "thank you" to each and every one of you! It has certainly been an honor to serve on the board the past six years. I am excited to see how the 2024 Board of Directors continues to grow Delta Amateur Radio Club!

See you all Tuesday!

73,
Mary Jean KY4FB

Treasurer's Report
Submitted by Jim Martin, KD4FUU

A new year is upon us! 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 applicable membership fees, to any in-person meeting. Feel free to 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, 2023 through November 30, 2023

SUMMARY			
Beginning Balance	\$21,299.67	Minimum Daily Balance	\$21,299
Deposits & Credits	\$415.00 +	Average Monthly Statement Balance	\$21,386
Withdrawals	\$0.00 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$17.73 -		
Ending Balance	\$21,696.94		

DEPOSITS & CREDITS			
11/08	Deposit - Thank You		75.00
11/14	Deposit - Thank You		50.00
11/30	Deposit - Thank You		150.00
11/30	Deposit - Thank You		140.00
Total Deposits & Credits			\$415.00

CHECKS		
Date	Check No.	Amount
11/17	1605	17.73

DAILY BALANCE SUMMARY					
Date	Balance	Date	Balance	Date	Balance
11/08	21,374.67	11/17	21,406.94	11/30	21,696.94
11/14	21,424.67				

SMALL BUSINESS CD *8481

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$5,107.73	5.020 %	\$107.73	\$6.33
SHOW ACCOUNT NUMBER *8481			
ISSUE DATE	LAST INTEREST AMOUNT PAID	PREVIOUS YEAR INTEREST	
10/28/2022	\$7.75	\$0.00	
ISSUE VALUE	DATE LAST INTEREST PAID	MATURITY DATE	
\$5,000.00	11/25/2023	1/22/2025	
▲ Hide More Details			

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	\$25.45
SHOW ACCOUNT NUMBER *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	
▲ Hide More Details			

Applications Received - November 2023		
(0) New Membership(s) - Pro-Rated Dues		\$0.00
(0) New Membership(s) - Dues Waived		\$0.00
(0) New Membership(s)		\$0.00
(6) Membership Renewal(s)		\$120.00
(1) Donations Received		\$30.00
	Total Dues Received	\$150.00
Other Deposits & Credits		
(0) ARRL Club Commission - New Members (\$15.00)		\$0.00
(0) ARRL Club Commission - Renewals (\$5.00)		\$0.00
Club Equipment Sales -11/8/2023 - Tupelo, MS Fleamarket		\$75.00
Club Equipment Sales - 11/14/2023 - VHF Amplifier		\$50.00
ARRL Affiliated Club - Individual Membership Renewal Fees		\$140.00
	Total Other Deposits	\$265.00
	Total Deposits	\$415.00
Withdrawals		
None		\$0.00
	Total Withdrawals	\$0.00
Checks		
Check #1605 - Joe Lowenthal - Reimbursement for flea market expenses - 10/21/23 Trumann, AR		\$17.73
	Total Payments	\$17.73

DARC Board of Directors Meeting Minutes
Submitted by Paul Broom, KY4MX

DARC Board of Directors Meeting Minutes for December 7, 2023

Attendees: Mary Jean Hall KY4FB, Perry Hayes N4GJ, Paul Broom KY4MX, Jim Martin KD4FUU, Joe Lowenthal WA4OVO, Mike Harrison KM4MRW, John Reiners KN4BVH, Scott Adams KM4PMU, Barry McDonald W5CJ and Len Grice W4MKS.

Absent: None

Guests: Ty McMahan KX4MQ, Joe Plunk NS4E

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, December 12 at 6:33 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

Names were discussed for “New Ham of the Year” and “Ham of the year” awards that will be presented at the December meeting. The nomination for “New Ham of the Year” was made by John Reiners KN4BVH, and seconded by Joe Lowenthal WA4OVO. The nomination for “Ham of the Year” was also made by John Reiners KN4BVH, and was seconded by Perry Hayes N4GJ. Both nominations were voted on and passed unanimously.

New Business

Jim Martin KD4FUU presented the monthly Treasurer’s report. He indicated that the CD mentioned in the prior month had been rolled over and at a very good rate.

Paul Broom KY4MX presented 6 renewal applications for membership. Joe Lowenthal WA4OVO moved to accept these applications, and the motion was seconded by Barry McDonald W5CJ. The motion passed without objection.

Mary Jean Hall KY4FB brought up a discussion regarding the making of a year end donation by the Club. Joe Lowenthal WA4OVO moved to make a donation, with Jim Martin KD4FUU seconding the motion. The motion passed without objection and will be announced at the December meeting.

Mary Jean Hall KY4FB raised the issue of developing transition plans for the following positions:

President – Mary Jean Hall KY4FB transitioning to Ty McMahan KX4MQ

Vice President – Perry Hayes N4GJ transitioning to Joe Plunk NS4E

Secretary – Paul Broom KY4MX transitioning to Perry Hayes N4GJ

After discussion it was determine that plans were already in the progress for all three positions.

Board/Officer Reports

Scott Adams KM4PMU discussed preparations the upcoming December Member Meeting potluck.

Mike Harrison KM4MRW indicated that everything is currently on track for the publication of Sparks on Sunday night. He also indicated the need for biographies and contact information for the incoming officers that will be published on the Delta Club web page.

Joe Lowenthal WA4OVO gave an update on training. The General Class will be testing on Monday night (12/11). He is also currently working to have an Extra class starting on Saturday January 6 running from 9:00 to 1:00. The class will meet via Zoom, but must have a least 6 students in order to proceed. He is also looking to hold a Technician class in mid to late February.

Barry McDonald W5CJ reported that he has renewed the Club's Southeastern Repeater Association (SERA) dues.

John Reiners KN4BVH indicated that the January program will be a video on the radio room of the Battleship Missouri.

Len Grice W4MKS reported that he will put out a press release to the media on the new officers and will also include the "New Ham of the Year" and the "Ham of the Year" awards.

Perry Hayes N4GJ expressed thanks on behalf of the nominating committee to Ty McMahan KX4MQ and Joe Plunk NS4E for accepting the nominations for offices on the Board.

Ty McMahan KX4MQ and Joe Plunk NS4E presented a draft survey that would be circulated to the club members at the December meeting.

Mary Jean Hall KY4FB reminded everyone that the Swamp Stompers event is scheduled for Saturday January 13, 2024. More information on volunteering will be forthcoming.

Mary Jean Hall KY4FB adjourned the meeting at 8:37 pm. The next regular Board of Directors meeting is scheduled for Tuesday, January 2, 2024 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 November 14, 2023

Call to Order and Opening Remarks

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, November 14, 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. 42 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. Bob Vawter KW4RJ seconded the motion. The motion was adopted by the club without objection.

Announcements

Bob Vawter KW4RJ gave the VE update for the pre-meeting testing. There were two candidates, with one passing the Technician exam and the other passing the General exam.

Mary Jean Hall KY4FB announced that the December meeting would not have the typical program, but would instead be the club's Christmas potluck dinner. The club will provide the hams and members are asked to bring side dishes and desserts.

She also announced that the Swamp Stompers event will be on Saturday, January 13 at Meeman-Shelby Forest State Park. This is a stationary event and typically can be cold and possibly wet. Steve Frazier KK4VPT said that the event is run through trails in the park and supporters are stationed at aid stations along the route. HTs will normally be sufficient to use for communications. There are generally 5 stations and so it is a smaller event to support and is generally low key. It is a good event for new Hams.

Joe Lowenthal WA4OVO gave an update on the current General Class. The second meeting was held the previous night and included 8 students. There are 10 instructors for the class. The class will conclude on either the December 4 or 11, depending on how long it takes to complete the material. Depending on interest, an Extra class will start in January and most likely be held on Saturday mornings.

Billy Freeman WL4B announced that there were two boxes of parts and accessories from Tony Brignole's estate. The items were free for the taking. Joe Lowenthal WA4OVO also indicated that there were some books and other literature that were available. He asked that those interested make a suitable donation for the items.

Ty McMahan KX4MQ announced that the DMR repeater currently used by the National Weather Service in Memphis is currently not connected to the internet. In the event of severe weather, connection to the DMR talk group would need to be made through a hotspot.

New Business

Mary Jean Hall KY4FB opened the floor for nominations, and restated the existing nominations as listed below:

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

Richard Martin K4DXF nominated Ty McMahan to be president which was seconded by Billy Freeman WL4B. Ty McMahan KX4MQ nominated Joe Plunk NS4E which was seconded by Steve Frazier KK4VPT. Mary Jean Hall KY4FB then asked for any additional nominations. Hearing none, the nominations were closed. She then restated the slate as follows:

President - Ty McMahan KX4MQ
Vice President – Joe Plunk NS4E
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

Nominations were accepted, and subsequently voted on by the membership present and approved without objection.

Mary Jean Hall then asked if Will Martorana KQ4FUM would draw the tickets for the prize drawing. She also explained that individuals needed to be present to win and each individual would only be eligible for one prize. Special thanks to Jim Martin KD4FUU for acquiring the items for the drawing.

Discussion / Program

John Reiners KN4BVH introduced Rick Tillman Wa4NVM who gave a presentation entitled “Satellites the Easy Way”. 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 8:38 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, December 12, 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 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 **Technician** license class will probably start late February 2024
The next **General** license class will probably start in early November 2024

Extra Class 1-24 – January 6 – february 17, 2024

An Extra Class license class is being considered on six Saturdays on January 6, 13, 20, 27, February 10 & 17. (The February 3rd date is the Jackson MS hamfest.) There would be five instructional periods with the opportunity to take the FCC exam on the last date. The class will be held via Zoom if there are at least six students registered by December 30th. Registration is to Joe at wa4ovo@gmail.com with Subject line: Extra Class and name, callsign, cellphone number and email address in text.

CURRENT CLASS

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

An in-person General Class license class is being held on five Monday nights from 6:15-9:30pm from November 6th to December 11th at Semmes-Murphey Clinic training room, 6305 Humphreys Blvd, Memphis 38120. The dates are November 6, 13, 27, December 4 and 11. The first four classes are instructional with the fifth 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.



General Class 4-23



Photos by Joe Lowenthal WA4OVO

The instructors are Park AI5CY, Steve KK4VPT, Perry N4GJ, Carolyn KX4QF, Ken KI4AOH, Barry W5CJ, Joe NS4E, John KN4VBH, Paul KA4X and Joe WA4OVO.

The Delta ARRL VE Team headed by Bob KW4RJ will provide the FCC test session on Monday, December 11th at 7pm at Semmes-Murphrey Clinic.

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 KQ4KLK, 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

A new DSP audio filter is now being sold by SOTAbeams. The filter called the WOLFWAVE Advanced Audio Processor is a complete DSP filter assembled and ready to go. The filter has a small OLED screen to give a visual indication of audio passband as well as for selection of functions. The filter gives functions for voice, data, and morse code. It has DSP noise reduction levels to make you radio easier to listen to. The WOLFWAVE has a one button in-out to compare the filter setting to standard audio bypassing the unit. The memories allow you to setup filtering parameters to save and recall. The tone eliminator will get rid of random carriers. It has easy tuning and input level adjustments. A USB port lets you get updates for the unit as they become available. The output has a 1.6 watt amplifier for plenty of power to run headphones or a speaker. If you need an external DSP filter with tons of features look at the WOLFWAVE. The web address is www.dxengineering.com



Amateur Hardware Update

By: James Butler KB4LJV

Many amateurs carry portable HT radios. Baofeng is a company that can supply a complete radio with battery, antenna, and a charger for a really reasonable price. The UV5R series is a best seller. Baofeng has now come out with a new model with more features. The Baofeng UV9 has a different body shape. The radio has a larger battery for more operating time. The new body is water resistant (IP68) and dust resistant. The radio also has a high definition display. The dual band antenna is longer and more flexible than the one supplied on the older UV5R model. The company makes a high power model if needed. The colors available are black, yellow, red, green , and orange. The radio operates as a dual-bander like the UV5R. This system also includes the battery, antenna and desk charger. The price on this radio is between \$30 and \$40. If you you are looking for a new HT check this new model out. Go to Ebay and do a search for “UV9”.



Product parameters

Product parameters
 Model:UV-9R PRO
 Power:High Power
 IP68 WATERPROOF
 Frequency Range:
 VHF:136-174MHz
 UHF:400-520MHz
 Channel:128 groups
 Battery capacity:Large capacity batte
 Working voltage:7.2V
 Size: 135*55*36mm

Remarks:The product power is the theoretical standard value,which is affected by the electronic interference of the use environment.



**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
ky4fb@arrl.net
901-356-1475

Vice President

Perry Hayes, N4GJ
pshayes@gmail.com
901-626-2279

Secretary

Paul Broom, KY4MX
Ky4mx@arrl.net
901-517-1490

Treasurer

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

Director of Training

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

Director of Publications

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

Director of Programs

John Reiners, KN4BVH
KN4BVH@comcast.net
901-541-0310

Director of Meetings & Special Events

Scott Adams, KM4PMU
scottedadamsjr@hotmail.com
901-573-6280

Public Information Officer

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

Immediate Past President

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

Repeater Trustee

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

Upcoming Events

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

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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