

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 68 * September 2021



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

We plan to meet this month **via "ZOOM" only.**

Topic: September Delta Club Member Meeting

Time: Sep 14, 2021 07:00 PM Central Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/83268394143?pwd=Y2xiaUs1RWE0dU5YNHVISm43NIU4QT09>

Meeting ID: 832 6839 4143

Passcode: 801070

Program: *"Discussion of Proposed Updates to the Delta Club Bylaws"*

The proposed Bylaws are at the end of this SPARKS Edition.

For Ham License testing information: Delta Club FCC testing sessions are held monthly except December. Registration begins at 5:30 PM; testing begins by 6:00 PM. Please bring a photo ID and another form of identification, copies of existing licenses or CSCEs, and your FCC Registration Number (FRN). Please be on time for registration to allow our Volunteer Examiner (VE) team to complete their work prior to the club meeting. The 2021 test fee is \$15 (cash or check). Individuals receiving their initial FCC license grant at a Delta Club test session or through a Delta Club training class will receive a complimentary individual club membership for the remainder of the current calendar year when they also show proof of ARRL membership. For more information, please email our VE Liaison, Jeff Krause, AJ4GY at AJ4GY@comcast.net or call at 901-301-6776. **NOTE:** Jeff is looking for a VE Liaison replacement. If you are interested, please contact Jeff at AJ4GY@comcast.net or 901-301-6776.

Announcements

FOUR-FORTY NET

The Delta Club has a new weekly net, the Four-Forty Net, which is on 443.700 with a +5 MHz offset and a PL tone of 107.2 Hz. The Four-Forty Net is every Friday at 8:30 pm after the Delta Club Information Net. Please join us to test out your 70 cm equipment and see how well we get into this W4BS repeater.

President's Corner

Submitted by Steve Frazier, KK4VPT

I would like to first emphasize that for the September meeting we will not meet in person but will only do a zoom meeting. With the current increase in the number of Covid-19 cases, the board felt this was the best decision for the September meeting. We will continue to make the decision about in person meetings each month.

Since late March, the Board of Directors have had several Zoom meetings to review and update the club bylaws. Our current bylaws date back to 1995. The previous President Ken Laseter (KI4OH) started the review process. While dealing with the challenges and changes during 2020 due to Covid-19, the board became aware again of the need to make some updates to the bylaws. We spent over 10 hours reviewing the entire current bylaws and making updates that we felt were needed. Examples of updates include the fact the current bylaws state that the newsletter needs to be mailed and we needed to update the meeting attendance requirement for board eligibility to include electronic meetings. We will use the September Zoom meeting to present the updated bylaws and address any questions or concerns. The plan is to have the members vote on the final revision of the bylaws during the October meeting. We will record the September meeting so you can review it online if needed before the final vote.

Speaking of voting, the election for the Board of Directors will be during the November meeting. If you would like to run for one of the Board of Directors positions, please contact me or one of the other current Directors and let us know that you are interested. The only requirement is to be a member of the club and to have attended at least 6 of the last 12 meetings. For the attendance requirement, we are counting Zoom and in person attendance.

At this time, the Bluff City Blues bike ride is still planning to have their event on Saturday October 9th. We will need volunteers for rest stations and for route support (SAG). We plan to use the 443.700 repeater, so this is something that every licensed member can do. If you are interested or have any questions, you can contact me at sfrazier1@bellsouth.net

73 to all
Steve
KK4VPT

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

July 1, 2021 through July 30, 2021

SUMMARY			
Beginning Balance	\$22,772.99	Minimum Daily Balance	\$22,239
Deposits & Credits	\$745.58 +	Average Monthly Statement Balance	\$22,536
Withdrawals	\$40.95 -		
Fees	\$0.00 -		
Automatic Transfers	\$0.00 +		
Checks	\$567.67 -		
Ending Balance	\$22,909.95		

DEPOSITS & CREDITS			
07/08	Deposit - Thank You		75.00
07/28	Deposit - Thank You		670.58
		Total Deposits & Credits	\$745.58

WITHDRAWALS			
07/02	TN Sos Annual Rp 6157412286 Steve Frazier 0841506		40.95

CHECKS		
Date	Check No.	Amount
07/14	1548	567.67

DAILY BALANCE SUMMARY					
Date	Balance	Date	Balance	Date	Balance
07/02	22,732.04	07/14	22,239.37	07/28	22,909.95
07/08	22,807.04				

SMALL BUSINESS CD *0028

Available Balance	<u>INTEREST RATE</u>	<u>YTD INTEREST</u>	<u>INTEREST EARNED NOT PAID</u>
\$10,741.44	1.590 %	\$84.80	\$21.08
View More Details			

Applications Received - July 2021

(2) New Membership(s) - Pro-Rated	\$25.00
(1) New Membership(s) - Fee Waived	\$0.00
(0) Membership Renewal(s)	\$0.00
Donations Received w/ Applications	\$20.00
Total Received	\$45.00

Other Deposits

Deposits - Huntsville Bus Trip	\$150.00
Club Polo Shirt Orders	\$397.00
Nashoba Club - 2021 Field Day Reimbursement	\$153.58

Total	
Deposits	\$745.58

DARC Board of Directors Meeting Minutes

Submitted by Carolyn Horne, KX4QF

DARC Board of Directors Meeting Minutes for September 7, 2021

Attendees: Steve Frazier KK4VPT, Mary Jean Hall KY4FB, Carolyn Horne KX4QF, Jim Martin KD4FUU, Joe Lowenthal WA4OVO, Mike Harrison KM4MRW, Ian Lucas KN4OEK, Ray Cole KX5RC, Barry McDonald W5CJ and Len Grice W4MKS.

Absent: Scott Adams KM4PMU.

Guests: None.

The regular monthly meeting of the Delta Amateur Radio Club Board of Directors was held on Tuesday, September 7, 2021, at 6:30 PM on a Zoom video conference call, with the President serving as chair and the Secretary being present. President Steve Frazier KK4VPT called the meeting to order.

Steve Frazier discussed whether to have next week's Members Meeting only via Zoom or both in-person and via Zoom. Considering the COVID-19 surge locally, the board determined that having the meeting only on Zoom would be the best option. Another consideration was that since we will be discussing the By-Laws update, that presentation would be much easier for everyone to take in on Zoom.

Joe Lowenthal said that if there is sufficient interest, he will be having a Tech Class via Zoom from September 20 through October 25 and a General Class from November 1 through December 6. Steve Frazier mentioned that someone had sent him an email expressing interest in a General Class. Joe Lowenthal asked the board to have prospective hams who are wanting a class to send him an email with the subject: Tech Class and name, email address and cellphone number in text area.

Barry McDonald said there was nothing new to report on the 146.82 repeater tower climb. He said he is pleased with how Echolink is working on the 146.625 Germantown repeater. He also said that everyone checking in on the new Friday

evening Four-Forty Net on the 443.700 repeater (on the same tower) sounded great. Steve Frazier remarked that it is good to know we can confidently use that repeater should the need arise.

Jim Martin read through the Treasurer's Report. He received two membership renewals.

Ian Lucas said that he has a program on deck for a future meeting which will feature HF digital modes beyond FT8. The main feature of the September meeting will be reviewing the By-Laws update.

The board held a special Zoom meeting to run through the final version of the By-Laws update with legal counsel on Thursday, August 19, 2021.

Mary Jean Hall will be presenting the By-Laws update to the club at the September Members Meeting. She said she would give a summary of each section rather than reading through the whole document. The By-Laws update will be published in the September edition of SPARKS under the title 'Proposed By-Laws'. Members are encouraged to review them before the meeting, though voting on accepting them will not take place until the October Members Meeting at the earliest. This effort has been to bring them up to date with current requirements since the older version is out of date on some issues.

Carolyn Horne presented two membership renewals to the board. Joe Lowenthal made a motion to accept, and Len Grice seconded the motion. All were in favor of accepting these renewals.

Steve Frazier polled the officers present to see who would be willing to remain on the board for 2022. Two officers will be leaving: Steve Frazier, President and Ian Lucas, Co-Director of Programs. The board received a recommendation for Mary Jean Hall to move from Vice President to President.

Mary Jean Hall brought up the subject of having our own hot spot for hybrid meetings held at the Ellendale Church of Christ and streaming via Zoom. It would involve paying for a monthly subscription but would provide more reliable and better-quality streaming for those on Zoom. No firm decision was made on this, and Steve Frazier said there was no need to rush into it at this time.

The board discussed procuring a copy of Robert's Rules, as recommended by legal counsel for the club to keep on hand. Mary Jean Hall will order a copy for the club.

Steve Frazier discussed content for this month's President's Corner. It will feature the Huntsville Hamfest Bus Trip. He took some photos and video and has uploaded some to the Delta Amateur Radio Club YouTube Channel.

Len Grice made a motion to adjourn, Mike Harrison seconded the motion, and all agreed. Steve Frazier adjourned the meeting at 7:21 PM. The next regular Board of Directors meeting is scheduled for Tuesday, October 12, 2021, at 6:30 PM on Zoom.

Respectfully submitted by Carolyn Horne KX4QF, Secretary

Minutes of Last Month's Club Meeting
Submitted by Carolyn Horne, KX4QF

DARC Meeting Minutes for August 10, 2021

Call to Order and Opening Remarks

The regular monthly meeting of the Delta Amateur Radio Club was held on Tuesday, August 10, 2021, at 7:00 PM at both the Ellendale Church of Christ and on a Zoom video conference call, with the President serving as chair and the Secretary being present. Club President Steve Frazier KK4VPT called the meeting to order and then welcomed everyone to the meeting. At least 57 members and guests were present for the meeting.

Minutes and Treasurer's Report

Ham Hilliard W4GMM moved to "approve the Treasurer's Report and Minutes as published in Sparks." Steve Frazier KK4VPT seconded the motion. The motion was adopted by the club without objection.

Announcements

Steve Frazier KK4VPT held a vote on whether to leave mask wearing up to the discretion of the live attendees noting that we had left a lot of spacing in the seating arrangement. Those present voted to leave mask wearing to each member's discretion. He drew our attention to items for sale as listed in SPARKS, and available on the back table at the live meeting. Joe Lowenthal WA4OVO fielded any questions on these items.

Mary Jean Hall KY4FB said those in attendance at the live meeting could pick up their polo shirts. Those who will be on the bus to Huntsville can pick theirs up on the bus. All others who ordered polos can contact her at KY4FB.TN@gmail.com to make other

arrangements for pick up. Steve Frazier KK4VPT expressed his and the club's appreciation to Mary Jean for the great job she has done on the polos.

Joe Lowenthal WA4OVO discussed the upcoming Huntsville Hamfest Bus Trip. He said as of the time of the meeting the trip was still on and there were a few seats available for \$80 each. Steve Frazier KK4VPT said to stay tuned because the status could change due to the COVID Delta variant surge.

The bus will leave Germantown Baptist Church at 6:30 AM August 21st, getting into the Von Braun center at 9:30 AM, leaving around 4:30 PM after the prize drawing, and arriving home at 8 PM. Steve Frazier KK4VPT showed a satellite map of the Germantown Baptist Church parking lot area and Joe Lowenthal WA4OVO pointed out where the bus will be parked. They also showed a map of the Von Braun Center layout, showing the entrance, the location of our two tables (250 and 251) and other areas of interest. They put up the forum schedule for Saturday, August 21, 2021. This is available at the Huntsville Hamfest website as well.

Barry McDonald W5CJ gave an update on the 146.82 repeater. He has been looking for qualified climbers and has decided on the company that put up the new antenna last year. The plan involves doing two climbs, 1) exploratory 2) do the repairs. This company usually handles bigger jobs but if they find a time slot they will come in on short notice. Barry said it is a two-man job.

Steve Frazier KK4VPT asked if there were any problems with the 146.625 backup repeater which does have Echolink capability. A few members said they were not able to get in. Steve said there is an Echolink app you can download onto your phone. There was a straw poll to see how many members had 70 cm equipment and could hit the 443.70 repeater. A handful indicated they could. Joe Lowenthal then asked how many did *not* have 70 cm equipment and no one responded, implying that most, if not all, did. Steve said we will stay on the backup repeater for the nightly net unless we have an event or something that would necessitate use of the 443.70 repeater.

Steve Frazier KK4VPT said he was in contact with Darrell Sheffield KK5D on the MS150 Bike Ride. As of the time of the meeting, they were still planning on holding the event. They do plan on having the Delta Club help with the rest stations. It is a two-day event on September 11-12, 2021. Steve said to stand by for more details. If interested contact Darrell at arskk4d@gmail.com.

Discussion / Program

Ian Lucas KN4OEK gave a presentation on Echolink featuring the YouTube video 'Quick Ham Radio Echo Link Demo with Tom's Radio Room Show'. Ian also gave instructions on where to go to register and download the software to Android, iOS, and Windows at Echolink.org. He said to contact him if anyone needs help with this.

Closing Remarks

Delta Club President Steve Frazier KK4VPT said that while this evening we did experience some challenges in our Internet connection to hang tight as we tweak the nuances of how to do hybrid meetings. He adjourned the meeting at 8:07 PM.

The next Delta Amateur Radio Club meeting will be Tuesday, September 14, 2021, at 7:00 PM both in-person and via Zoom. Check the current edition of SPARKS or the Delta Amateur Radio Club Facebook page just before the scheduled meeting time for more information on venue instructions or the Zoom link for the meeting.

Respectfully submitted by Carolyn Horne KX4QF, Secretary (2021)

Delta Ham License Training, 2021

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 will implement a \$35 application fee in 2021.

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 2021 from Delta Classes

26 Technician

6 General

4 Extra

Note:

Coming soon will be a \$35 FCC application fee for new hams, renewals, upgrades, etc except for address or email changes.

The current Technician ARRL Ham Radio License Manual Fourth Edition with question pool that became effective July 1, 2018 for four years. This is the new question pool.

The current ARRL General Class License Manual is the Ninth Edition with question pool that became effective July 1, 2019 for four years.

The current ARRL Extra Class License Manual is the Twelfth Edition with question pool that became effective July 1, 2020 for four years.

As of September 3, 2015 there is no longer any charge for Vanity call signs.

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 sessions; one per week on a week night 6:15pm-9:30pm or Saturday day 9am-1pm.

The next Extra Class license class will probably start in early January 2022

Tech Class 5-21 – September 20 – October 25, 2021

A Technician license class is proposed to be held on six Monday nights between September 20th and October 25th from 6:15-9:30pm if there are at least 10 students. It will be via Zoom for the five instructional sessions and in-person for the review/FCC exam session. The classes are proposed for September 20, 27, October 4, 11, 18 and 25th. The FCC exam will be offered on October 18th after we do a review of the question pool questions and answers. The test session location will probably be at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave).

If interested, send an email with Subject line: Tech Class 5-21 and your name, email address and cellphone number to Joe at wa4ovo@gmail.com.

General Class 6-21 – November 1 – December 6, 2021

A General license class is proposed to be held on six Monday nights between November 1st and December 6th from 6:15-9:30pm if there are at least 10 students. It will be via Zoom for the five instructional sessions and in-person for the FCC exam

session. The classes are proposed for November 1,8,15,22,29, and December 6th. The FCC exam will be offered on December 6th. The test session location will probably be at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). If interested, send an email with Subject line: General Class 6-21 and your name, email address and cellphone number to Joe at wa4ovo@gmail.com.

CURRENT CLASSES

None

COMPLETED CLASSES

Tech Class 4-21 – June 24 – August 12, 2021

A Technician license class was held on six Thursday nights between June 24th and August 12th from 6:15-9:30pm. The original seven students have dwindled to five in the class and one auditing. It became a Zoom class due to the increase of Covid with the FCC test session the only in-person class. The classes were held on June 24, July 1, 8, 22, 29 and August 12th.

The FCC exam was offered on July 29th at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave). Two students took the exam(s). Congratulations to Chris Hadley KO4SHG and Dennis Lee KO4SHH for earning their Technician licenses. Additional congratulations to Chris KO4SHG for also upgrading to General. Bill Walter N4ELF also tested and upgraded from General to Extra. Congratulations to Ross Butler KI5REG for earning his Technician license at the August 17th Delta Club test session.

The Delta Club VE Team of Jeff Krause AJ4GY, Perry Hayes N4GJ, Barry McDonald W5CJ, Bobby Stroud KD5BS and Tom Ungren KK4ZZZ were the VEs.

The instructors were Joe Lowenthal WA4OVO, Paul Roberts KA9VAU, Perry Hayes N4GJ, David Wilson KY4FH, John Reiners KN4BVH, and Pat Lane W4OQG. The equipment demonstrators were John Reiners KN4BVH, Rick Pellicciotti KJ4NWQ, Rick Tillman WA4NVM, and Joe Lowenthal WA4OVO.

Tech Class 2-21 – February 22 – April 5, 2021

A Technician license class was held one night a week via Zoom from February 22nd thru April 5th on Monday or Thursday nights. Twenty-two students started on the 22nd with 19 finishing the training. An in-person class was held on March 29th for review and opportunity for FCC exam at Ellendale Church of Christ, 7365 Hwy 70 (Summer Ave) in Bartlett.

Sixteen students tested and all passed.

Congratulations to Wallace Bell KO4OWD, Park Dodge AI5CY, Michael Engelken KI5PDQ, Arie McClanahan KI5PDR, Scott McDermott KO4OWE, Terrell Naylor KO4OWF, Craig Owen KO4OWG, Adam Shirley KO4OWH, Don Swindoll KO4OWI, Diane Thomas KO4OWJ, Anthony Tribo KO4OQK, and Bruce Swindoll KO4OWN. Additional congratulations to Michael KI5PDQ and Scott KO4OWE for upgrading to General. An extra congratulatons to Park AI5CY for running the table to Extra Class. Congratulations also to Ina Wiehl KY4GA for running the table to Extra Class at the Atoka TARS test session on March 15th. Congratulations to Mike Murell KO4QBT for earning his Technician and General licenses at the Olive Branch ARRL test session on April 20th.



Tech Class 2-21 test session left side Photo by Joe Lowenthal WA4OVO



Tech Class 2-21 test session right side Photo by Joe Lowenthal WA4OVO

Also, two CBU students tested. Congratulations to Jose Bonafasi KO4OWL and Will Clayton KF0EYO.

Additionally, nine year old Jacob White KO4OWN earned his Technician license.



Photo back left to right: 9 year old Jacob KO4OWN and proud grandpa Bob AI4GI;
front left to right: VEs Perry N4GJ, Bobby KD5BS, Jeff KJ4GY

Thanks to the Laurel VEC team of Joe WA4OVO, Perry N4GJ, Jeff AJ4GY, Barry W5CJ, Bobby KD5BS, Rick WA4NVM, and Eric WD5FTA for administering the FCC test session.

The instructors were Paul KA9VAU, Perry N4GJ, Len W4MKS, John KN4BVH, Barry W5CJ, Pat W4OQG, and Joe WA4OVO. The equipment demonstrators were Rick WA4NVM and Richard K4DXF on Satellite, Rick KJ4QNWQ on APRS, John KN4BVH on Digital, and Joe WA4OVO on Repeater Basics.

CBU Tech Review Class 3-21 – February 24, 2021

A Technician license review session was held in Dr. Eric Welch (WD5FTA)'s junior level Introduction to Unmanned Aerial Vehicle class for nine Christian Brother

University students on February 24th . Congratulations to Cesar Mireles KO4NFT, Allison Sorette KO4NFU, Brennan Griffin KO4NFV, Michael Longo KO4NFW, Jose Villa Hidalgo KO4NFX, Novy KO4NFY and Sean Williams KI5OEI, who earned their Technician licenses.

Thanks to the Laurel VEC Team of Barry W5CJ, Perry N4GJ, Jelly N4HLT, Rick WA4NVM, Eric WD5FTA and Joe WA4OVO for providing the FCC test session.

EXTRA Class 1-21 – January 4 – February 25, 2021

An Extra Class license class was held one night a week via Zoom from January 4th thru February 25th on Monday or Thursday nights from 6:15-9:30pm. The Zoom classes met on January 4, 14, 21, 25, February 1, 11 and tested a week late on the 25th due to snow on the 18th. The students were Carla KO4FVX, Ransom KO4FVZ, Russell KO4ASW, Jason KO4DOH, Mary Jean KN4FBL and David KN4BXI.

Congratulations to Mary Jean Hall KY4FB (formerly KN4FBL) and David Wilson KY4FH (formerly KN4BXI) who passed their Extra exam on the 25th.

The instructors were Joe WA4OVO, John KN4BVH, Dean N2LAZ , Barry W5CJ, Dave AD4Q, Paul KA9VAU and Pat W4OQG.

Thanks to the Delta Club ARRL VE Team of Jeff Krause AJ4GY, Stacy KJ4MDA, Warren KC7ND, Tom KK4ZZZ, Barry W5CJ and Joe WA4OVO for providing the FCC test session.

In addition to the Extra Class students testing, congratulations to Brian Kelly KO4KAO for upgrading to General. Also, the following earned their Technician licenses: Dan Currey KO4NGZ, Rob Currey KO4NHA, Wilson Langford KO4NHB, Ebben Raves KO4NHC, David Wolford KO4NHD, Garrett Robinson KO4NHE, and Steven Porter KO4NHF.

General Class 4-20 – October 26 – December 7, 2020

General Class 4-20 was held via Zoom with five students. It was held on five nights on Monday and Thursday nights from October 26th to December 7th from 6:15-9:30pm. The nights were Monday October 26, Monday November 2nd, Thursday November 12th, Monday 23rd and ARRL FCC testing Monday December 7th.

Congratulations to Ransom Bowen KO4FVZ and Elliot Pope KO4DER for upgrading to General on December 7th. Also, congratulations to Carla Andrews KO4FVX for

upgrading to General on December 21st at the Tipton County ARS (Atoka) test session. The others will test later. Congratulations to Kevin Kelly KO4KAO who earned his Technician license during the Delta Club test session.

Thanks to the ARRL VE Team of Jeff Krause AJ4GY, Warren Zimmer KC7ND, Tom Ungren KK4ZZZ, Dan Columbus AA4HV, Barry McDonald W5CJ and Joe Lowenthal WA4OVO for providing the test session.

The instructors were Perry N4GJ, Barry W5CJ, Paul KA9VAU, Len W4MKS, John KN4BVH, Pat W4OQG, and Joe WA4OVO.

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.

HUNTSVILLE HAMFEST BUS TRIP - AUGUST 21, 2021

Submitted by Joe Lowenthal, WA4OVO, DIRECTOR OF TRAINING

Due to Covid-19, the Huntsville Hamfest was cancelled for 2020 and Delta Club was forced to miss going to Huntsville for the first time in many years. 2021 has been an ongoing struggle to return to normal and a lot of hams anticipated the return of the Huntsville Hamfest. Early in 2021, the Huntsville Hamfest announced they planned to return in 2021 and Joe Lowenthal (WA4OVO) went into action and starting planning for the Delta Club bus trip to Huntsville. We had 21 members join us on the bus trip. With Covid-19 cases actually increasing just prior to the trip, we were pleasantly surprised that we were able to only have a few less hams than past years join us on the bus. As we have done in prior years, Delta Club participated in the Huntsville Ham flea market so that we could offer items for sale that we had from ongoing estate consignment sales. We were able to sell about 52% of the items that we took to Huntsville and we were able to get about 80% of the asking price on these items. While everyone pitched in to help make all this possible, a special thanks goes out to Scott Adams (KM4PMU) and Mary Jean Hall (KY4FB) for their help on the bus and at the flea market table.

Mark your calendar now to join us at the next Huntsville Hamfest on August 20, 2022.



FCC Auto-Registration Feature for Exam Applicants to be Discontinued

Submitted By: Bob Vawter KW4RJ

Auto-registration in the FCC Commission Registration System (CORES) amateur radio exam for candidates using a Social Security number will be discontinued on May 20, 2021. Applicants must use an FCC Registration Number ([FRN](#)) for all license transactions with the FCC. Examinees must [register in CORES](#) and receive an FRN *before* exam day. Starting on May 20, electronic batch filed applications that do not include a candidate's FRN will be rejected. The Social Security/Licensee ID Field will be disabled. An [instructional video](#) provides step-by-step instructions on how to establish a CORES account, which is necessary for licensees to make administrative updates and download electronic license authorizations. After June 29, all filers [must provide an email address](#) on all applications. When an email is provided, applicants will receive an official electronic copy of their licenses once granted (allow incoming email from authorizations@fcc.gov). If no email is provided when filing on or after June 29, applications will be rejected. ARRL VEC suggests that those without access to email to use the email address of a family member or friend.

Licensees need to log in to the Universal Licensing System (ULS) to [download their authorizations](#). The FCC no longer issues paper copies. — *Thanks to the FCC*

<http://www.arrl.org/news/fcc-auto-registration-feature-for-exam-applicants-to-be-discontinued>

ARRL Benefits

ARRL amateur radio community. When you renew, a few of the benefits you will enjoy are:

- Your choice of a print magazine. Eligible US-based ARRL members can elect to receive QST, the official membership journal of ARRL or On the Air, aimed at helping new and emerging radio communicators get active and on the air.
- Digital access to all four ARRL publications -- QST, On the Air, and now QEX, covering topics related to radio communications experimentation, and National Contest Journal (NCJ), covering radio contesting.
- Access to ARRL's Technical Information Service to assist with technical problems and help with your projects.
- Free FCC license renewal and modification service.

To secure these amazing members-only benefits and many more in the coming year, visit www.arrl.org/join/WE1 to renew or call us toll-free at: 1-888-277-5289 (US Only) , Monday-Friday, 8 a.m. to 5 p.m. ET. International members call (860) 594-0338.

Packet Update

By: James Butler KB4LJV

SDR receivers have been out for several years. Connecting a small USB box to a computer gives you a powerful receiver using programs on your computer. One of the newest is a modification to the units to allow for continuous reception from 100 KHZ to 1.7 GHZ. The best thing is the price for under \$20.00 for the SDR. I got my SDR with USB cable and a VHF antenna. The unit has another antenna port for an HF antenna. With the proper free software you can receive AM,FM,SSB, and digital modes. These units from China use the USB TV stick chipset in the box along with an up converter circuit built in the box for the HF bands. You can read about his circuit on the internet. To buy one of the units listed on Ebay do a search for **“Full Band UV/HF RTL-SDR 100KHz-1.7GHz USB Tuner Receiver/ R820T”**



James Butler
KB4LJV

Amateur Hardware Update

By: James Butler KB4LJV

Many times we need electrical alligator clips. Hookups to battery terminals and temporary wire connections can be done with these clips. There are lots of types of these clips to match our needs. Some clips are bare without insulation. Other clips have a plastic insulator on the handle. Clips used for 12 VDC power connections generally have red and black insulated handles to indicate polarity. These clips also vary in size to allow connection to different gauge wire. Clips with large rounded claws are used to connect to battery terminals. Smaller clips with tapered tips can be used to connect to component leads when needed. The best way to buy these is in an assortment pack. Harbor Freight has a nice electrical clip assortment set in stock. The package contains 28 different clips of various styles and sizes. The best part is the price of under four dollars. The web address is <https://www.harborfreight.com/28-piece-electrical-clip-set-67589.html>



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 Linda KJ4CTX**

YL NET – Please join us each Saturday night at 8:45 p.m. on the **146.625 repeater** for the YL Net. We enjoy hearing from you. PLEASE NOTE – FREQUENCY CHANGE.

Logbook Of The World (LOTW) User Guide

If you are a new user or planning to use "Logbook of The World" (LoTW), Gary, ZL2IFB, has put together an easy step-by-step guide or should we say manual (about 33 pages with pictures) to help you use LoTW.

The PDF file is available for download at:
https://www.g4ifb.com/LoTW_New_User_Guide.pdf

73, W4WTN

New Repeater in West Memphis & Buy/sell Facebook Group

There is a new System Fusion repeater in West Memphis.
The frequency is 442.400 with a PL Tone of 107.2 for non System Fusion users.

Also, Marc says there is a Buy and Sell Facebook Group for the Memphis Metro Area. The link is:

www.facebook.com/groups/memphismetroareahamradioswapshop

73, Marc Gwin AG5QY

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 38184-2768

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>.

2021 Board of Directors

President

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

Vice President

Mary Jean Hall KY4FB
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Secretary

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Public Information Officer

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

Immediate Past President

Ken Laseter, KI4AOH
KenLaseter@gmail.com
901-487-9103

Repeater Trustee

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

Upcoming Events

BCB 100 Ride to Fight On – October 9

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

Tennessee Amateur Radio License Plate
Submitted by Joe Lowenthal, WA4OVO

As of October 2018, all you need to renew your ham tag is to provide a copy of your FCC license with a copy of your last year's registration or a renewal notice, if you received one, and your payment. The State of Tennessee is again making Amateur Radio License Plates since reconstruction of the building that was demolished by the tornado in Nashville in February 2020. The link below is for information and instructions about Tennessee ham radio call sign Emergency/Safety automobile license plates: [Vehicle Titling & Registration \(tn.gov\)](#) The application can be found at this link: Application for Special Amateur Radio License Plates [in.pdf](https://www.tn.gov/content/dam/tn/revenue/documents/forms/titlereg/f1312601Fill-in.pdf)

Memphis Area VHF/UHF Nets

Name of Net	Freq. MHz	Offset/Tone	Local Time	Day of Week
Delta Club Information Net	146.820	- (107.2)	8:00p	Daily
YL Net	146.820	- (107.2)	8:45p	Sat
Four-Forty Net	443.700	+(107.2)	8:30p	Fri
Mid-South Bullfrog Net	146.535	[simplex]	7:30p	Daily
Elmer Net	444.175	+ (107.2)	9:00p	Sun
MedMERS Net	146.820	- (107.2)	12:00p	Wed
ARES Training Net	146.850	- (107.2)	9:00p	Thu
Sunday Super Niner Net	927.6125	- (146.2)	8:30p	Sun
TN Statewide DMR Net	Digital – DMR		8:00 p	Friday

TENNESSEE HF NETS

Net Name	Freq. MHz	Local Time	Day of Week
Tennessee CW Net	3.563	7:00p	Daily
Tennessee Slow CW Net	3.682	7:30p	Tue-Sun
Tennessee Alternate Phone Net	7.238		As needed
CUSEC	3.810		As needed
CUSEC	7.180		As needed

(Center for United States Earthquake Consortium)

3980 kHz – Tennessee Phone Net

Mon-Fri - 5:40 AM, 6:45 AM & **5:30 PM** (5:30 pm beginning Nov. 9 evening)

Saturday - 8:00 AM & 5:30 PM

Sunday - 8:00 AM only

Holidays - 8:00 AM only

Proposed BYLAWS

OF

DELTA AMATEUR RADIO CLUB, INC.

ARTICLE I – NAME

1.1 NAME

1.1.1 The name of this organization shall be the Delta Amateur Radio Club, Inc. hereinafter referred to in these by-laws as “Delta Amateur Radio Club”, “DARC”, “Delta Club” or “Club”.

ARTICLE II – ORGANIZATION

2.1 PURPOSE

Delta Amateur Radio Club is incorporated as a non-profit organization in accordance with the laws of the State of Tennessee for the purpose of promoting the advancement of amateur radio through its use in emergency situations in which normal lines of communication are disrupted or otherwise not feasible. To prepare to be of assistance in emergency situations, the DARC will participate in the following activities:

2.1.1 Encourage continued education and training for prospective and current amateur radio operators by providing opportunities for both academic and hands-on training.

2.1.2 Encourage research and experimentation with new and existing technologies in an effort to facilitate the advancement of the field of radio communications and the

support of any literary or scientific undertaking promoting the advancement of the radio art.

2.1.3 Promote amateur radio by providing opportunities for fellowship among members and other interested persons for educational, civic, social, and recreational purposes.

2.1.4 Promote public awareness of amateur radio and its many contributions to public welfare.

2.1.5 Maintain licensed amateur radio stations for operation by its membership, in the name of its Trustee, when and where appropriate, under the rules of the Federal Communications Commission of the United States of America, hereinafter referred to as the FCC.

2.1.6 Exercise any and all general powers, whether herein enumerated or not, which a nonprofit corporation may or can exercise under the Constitution and Laws of the State of Tennessee that are not inconsistent with the purpose herein contained.

2.2 AFFILIATION

2.2.1 DARC is an affiliate of the American Radio Relay League "ARRL."

2.3 NON-PROFIT CORPORATION

2.3.1 The Delta Amateur Radio Club is a non-profit corporation and shall not have or issue shares of stock. No dividend will be paid, and no part of the income of the corporation will be distributed to its members. The Club may pay members fair market value for goods or services provided to the Club, and the Board may reimburse members for authorized expenses. The Club may offer door prizes that are appropriated in the budget.

2.3.2 **LOANS TO MEMBERS:** The Delta Amateur Radio Club shall make no monetary loans to any of its members.

2.3.3 RIGHTS AND INTERESTS IN ASSETS: No member shall have any vested right, interest, or privilege in or to the assets, functions, or affairs of the DARC, or any right, interest, or privilege which may be transferable or inheritable, or which will continue if their membership ceases.

2.4 AUTHORITY TO INDEMNIFY

2.4.1 The DARC does indemnify any directors, officers, incorporators, and employees of the DARC from any liability regarding the DARC and the affairs of the DARC, unless the person fraudulently and intentionally violated the law and/or maliciously conducted acts to damage and/or defraud the DARC, or as otherwise provided under applicable statute.

2.5 DISSOLUTION PROCEDURE

2.5.1 Upon dissolution of the Delta Amateur Radio Club, Inc., or the forfeiture of the DARC's Articles of Incorporation, the Board of Directors shall have the power to dispose of the assets of the DARC after paying or making provisions for payment of all liabilities of the DARC. The Board shall distribute or dispose of the assets of the DARC by transferring or conveying such assets, or the proceeds of the sale, to another corporation or organization which is organized and operated exclusively for charitable, educational, or scientific purposes. In the event the Board fails to or is unable to distribute such assets in accordance with the provisions of this Article, any DARC member may petition a court of appropriate jurisdiction to assume jurisdiction over the assets and accomplish a distribution in accordance with the intent and purpose of this section.

ARTICLE III – MEMBERSHIP

3.1 MEMBERSHIP APPLICATION

3.1.1 Membership in the DARC is open to all licensed amateur radio operators and to any other individuals with an interest in amateur radio without regard to race, creed,

color, sex, sexual orientation, national origin, religion, disabilities, or any other grounds prohibited by state and/or federal law.

3.1.2 Any person wishing to join the DARC may apply for membership by submitting a completed membership application, along with any necessary dues, to the Secretary or Treasurer or by mailing their completed application and dues to the DARC mailing address.

3.1.3 All prospective membership applications must be approved by a majority of the Board of Directors at the earliest board meeting following the application for membership. Should a membership application be denied, the Board of Directors must make every attempt to notify the applicant of the denial, as well as the reason for the denial, within thirty (30) days of the denial.

3.1.4 Members in the DARC shall hold membership based on only one (1) of the available membership classifications, as defined in Section 3.2.

3.2 MEMBERSHIP CLASSIFICATIONS

DARC offers the following classifications of membership:

3.2.1 Individual Annual Member: Anyone holding a valid amateur radio operator's license that is issued or recognized by the FCC.

3.2.2 Non-Licensed Individual Annual Member: Non-Licensed membership is available to anyone interested in amateur radio communications and who does not hold a valid amateur radio license as specified in Section 3.2.1. Non-Licensed members may not vote or serve on the Board of Directors. Non-Licensed members may serve on committees.

3.2.3 Family Annual Member: Anyone meeting the conditions of Individual Membership or Non-Licensed Individual Membership and who shall reside at the same address as an existing Individual Annual Member in good standing of the DARC. At least one (1)

member of the household shall be an Individual Annual Member of the DARC in order for any other member of the same household to apply for Family Annual Membership. Licensed family members shall have the same status as Individual Annual Members and unlicensed family members shall have the same status as Non-Licensed Annual Members.

3.2.4 Individual Life Member: This type of membership is no longer available, but those who were classified as such are entitled to all the privileges of Individual Annual Members.

3.2.5 Family Life Member: This type of membership is no longer available, but those who were classified as such are entitled to all the privileges of Family Annual Members.

3.2.6 Non-Licensed Life Member: This type of membership is no longer available, but those who were classified as such are entitled to all the privileges of Non-Licensed Individual Annual Members.

3.2.7 Honorary Life Member: Any person may be granted an honorary membership in the DARC by a majority affirmative vote of the membership present at any regular DARC meeting. Those who were classified as such are entitled to all the privileges of Individual Annual Members.

3.2.8 Change of Status: A membership classification is determined by the status of the amateur radio operator's license and may be subject to change during the course of the membership year, should the license status change during the membership year.

3.3 VOTING CLASSIFICATIONS

There shall be two classifications of voting rights consisting of:

3.3.1 Voting Member: All members who pay their annual dues (at the rate recommended by the Board and approved by the membership) and hold a current valid

amateur radio operator license as specified in Section 3.2.1. Individual, Family, Individual Life, Family Life, or Honorary Life shall have one vote each in all matters.

3.3.2 Non-Voting Member: All members not holding a valid amateur radio operator license. This will generally be, but is not limited to, Non-Licensed Individual Annual Members and Family Annual Members who do not hold a valid amateur radio operator license as specified in Section 3.2.1.

3.4 MEMBERSHIP DUES

3.4.1 Membership dues, in an amount determined by the Board of Directors and approved by a majority of the voting membership present at the next regular membership meeting, shall be assessed annually and are payable during the renewal period of January 1 through March 1. Honorary Life Members shall be exempt from payment of DARC dues.

3.4.2 Prorating of Dues: Dues for new members that have not been a member during the preceding three years shall be prorated from the date of application based on a quarterly basis according to the following schedule:

<u>From</u>	<u>To</u>	<u>% of applicable dues</u>
Jan 1	Mar 31	100 %
Apr 1	Jun 30	75 %
Jul 1	Sep 30	50 %
Oct 1	Dec 31	25 %

3.4.3 Non-Payment of Dues: Non-payment of DARC annual membership dues shall be cause for loss of club membership and all associated privileges until said payments are brought up-to-date in accordance with these bylaws. Members removed for nonpayment of dues shall be reinstated to their previous membership status upon full payment of all applicable dues for the current fiscal year.

3.5 EXPULSION FROM MEMBERSHIP

3.5.1 Expulsion of a Member: Any member who willfully and knowingly violates any of the DARC's or ARRL's policies and procedures shall be liable for expulsion from the DARC. A member shall also be subject for expulsion from the DARC for willfully and knowingly violating the FCC rules, Part 97, which results in suspension or revocation of that member's FCC license or results in a finally adjudicated monetary forfeiture to the U.S. Government.

3.5.2 Process of Expulsion: The Board shall determine if there is sufficient evidence and if the infraction rises to the level that necessitates expulsion from the DARC. These matters shall be handled on a case-by-case basis and by simple majority vote of the Board.

3.5.3 If the Board votes to recommend to expel, the accused member must be notified of the accusation of misconduct by certified mail, return receipt requested.

3.5.4 The Board will report its recommendation to the DARC membership at the next membership meeting. The accused member will then be given an opportunity to present a rebuttal of the accusation against them. If the accused member does not present a rebuttal, the accused member's membership shall be terminated.

3.5.5 When the accused member has finished making their rebuttal, the members of the DARC, by a two-thirds majority vote of the quorum, may adopt the recommendations of the Board. If the Board's recommendations are not adopted, the accusation(s) of misconduct made against the accused member shall be declared null and void.

3.5.6 An Officer or Trustee must first be removed from his or her office before an expulsion proceeding can commence.

3.5.7 After final adjudication and completion of expulsion proceedings, any member, Officer, or appointee shall be removed from the membership rolls of the DARC. Upon expulsion from the DARC, any member, Officer, or appointee shall immediately turn

over all records, assets, equipment, and information belonging to, or necessary for the continuing activities of the DARC. Once a member is expelled, re-admittance to DARC membership shall only occur upon a unanimous affirmative vote of the entire Board of Directors of the DARC.

ARTICLE IV – BOARD OF DIRECTORS

4.1 OFFICERS & BOARD OF DIRECTORS

4.1.1 The Officers of the Board of Directors shall be President, Vice-President, Secretary, Treasurer, Immediate Past President, Director of Programs, Director of Meetings and Special Events, Director of Publications, Director of Training, and the current Trustee of the W4BS club call. All officers shall have one vote in all matters on which the Board of Directors vote.

4.1.2 The President may appoint the following non-voting positions to serve on the Board of Directors concurrent with the President's term: Public Information Officer, Club Historian and Club Counsel. The appointed positions shall serve at the President's discretion.

4.1.3 The Board of Directors shall be composed of the DARC Officers and appointed positions.

4.2 TERM OF OFFICE

4.2.1 Board of Directors members described in these by-laws shall be elected annually at the regularly scheduled DARC meeting in November.

4.2.2 The DARC Officers shall take office on January 1 following the election and serve for one (1) year, or until their successor assumes their office.

4.3 CHAIRMAN OF BOARD

4.3.1 The President shall preside over all Board of Directors meetings unless otherwise specified in 5.2.3.

4.4 VOTING RIGHTS

4.4.1 All officers of the Board shall be entitled to vote on any matter properly brought before the Board of Directors unless otherwise prohibited within these by-laws.

4.5 DUTIES

4.5.1 The Board of Directors shall conduct all business of the DARC not otherwise delegated by the by-laws to the membership.

4.6 MEETINGS

4.6.1 The Board of Directors shall meet on the first Tuesday of each month.

4.6.2 All meetings of the Board of Directors will be open to all DARC members in good standing except as provided in Paragraph 4.6.3.

4.6.3 In cases where the Board of Directors is to discuss matters specified in Article IV Section 11, "Removal from Office," or Article III Section 5, "Expulsion from Membership," the Chairman shall have the authority to close, at their discretion, such meeting to anyone not a member of the Board of Directors for the duration of such discussion. This authority is given to the Chairman to allow for the protection of confidentiality and privacy of the DARC members involved.

4.6.4 The Board of Directors may consider matters that arise between meetings through electronic or other available means.

4.6.5 Quorum: A quorum shall consist of at least six (6) voting members of the Board. In the absence of a quorum, no action taken by the Board shall be valid.

4.7 REPORT OF MEETING

4.7.1 Following each Board of Directors meeting, the presiding Officer shall provide a report to the DARC membership in the Club newsletter and/or at the next regular DARC meeting. This report will include at a minimum a summary of any actions taken by the Board.

4.8 NOMINATIONS

4.8.1 A nominating committee consisting of three (3) members shall be appointed by the President at the regular August membership meeting. The nominating committee shall nominate a President, Vice President, Secretary, Treasurer, Director of Programs, Director of Meetings and Special Events, Director of Publications, and Director of Training. These names will be placed in nomination at the regular October membership meeting.

4.8.2 All nominees must be members of the DARC in good standing and possessing voting rights. To be nominated as an Officer of the DARC, nominees must have attended not less than 50% of the past twelve (12) meetings.

4.8.3 The presiding Officer at the regularly scheduled DARC meeting in October shall open the floor for nominations. Nominations will be taken from the floor for all elected Officers whose term expires on December 31. Once opened, the time period for nominations shall remain open through the November meeting elections. After any and all nominations have been received from the floor during the November DARC meeting, the presiding DARC Officer at the November meeting shall close the nominations. Elections shall immediately follow the closing of the nominations.

4.9 ELECTION PROCEDURES

4.9.1 The presiding DARC Officer shall supervise the election.

4.9.2 Balloting shall be by written ballot.

4.9.3 If there is only one candidate for an office, that candidate shall be declared elected by a majority voice vote of the members present. A candidate shall be elected to an office by a simple majority of licensed paid-up members in attendance at the regular annual November meeting.

4.9.4 If for any reason elections are not held in November, the election shall be held at the next regular membership meeting thereafter.

4.9.5 The DARC Secretary shall count written ballots cast at the election. The person receiving the highest number of votes for any office shall be declared elected. The secretary shall then inform the presiding DARC Officer and the members present at the election meeting of the results of the election. In the event of a tie an immediate run-off will be held.

4.9.6 The results shall be published in the next available issue of the DARC newsletter. They may also be published on the DARC's website and other DARC communications media.

4.9.7 The newly elected Board of Directors shall take office in accordance with these by-laws.

4.10 OFFICER VACANCY

4.10.1 Should any DARC office, except that of President, be vacated for any reason, that position shall be filled by any eligible DARC member who shall be voted upon and

approved by a simple majority of the remaining Board. This person shall serve the remainder of the current term.

4.10.2 Should the office of President be vacated for any reason, the Vice-President shall assume the office and duties of President for the remainder of the term leaving the office of Vice-President vacant for filling by the Board as set forth in these by-laws.

4.11 REMOVAL FROM OFFICE

4.11.1 The Board of Directors may recommend the removal of any DARC Officer for any of the following reasons:

(a) Poor attendance, such as being late or absent for multiple board and/or general membership meetings without good reason.

(b) Failure to pay dues within the period in which dues are to be paid.

(c) Gross misconduct as determined by a majority of the Board in the performance of official duties.

(d) Behavior that brings discredit to themselves or to the DARC such as an FCC license suspension, or other civil or criminal action.

4.11.2 Any Officer removed from their position retains membership within the DARC unless expelled from the DARC. Should such expulsion from the DARC be deemed necessary, then expulsion shall be handled as specified in Article III Section 5, "Expulsion from Membership."

4.12 PROCEDURES FOR REMOVAL

4.12.1 At the next Board of Directors meeting, the matter of removal from office of a DARC Officer must be taken up before any other business may be conducted. The Board members shall vote, except for the accused Officer, upon the removal action. A simple majority of the Board members present shall cause the motion to carry and the accused Officer shall be removed from office effective immediately.

4.12.2 Any vacancies resulting from this procedure shall be filled in accordance with Article IV Section 10, "Officer Vacancy."

ARTICLE V – DUTIES OF BOARD OF DIRECTORS

5.1 PRESIDENT

5.1.1 The President shall preside at all DARC membership and board meetings and shall vote only in the case of a tie in which case he or she will cast the deciding vote.

5.1.2 The President shall conduct the meetings according to the rules adopted: enforce due observance of the Charter of Incorporation and the By-laws, and decide all questions of order.

5.1.3 The President shall sign all official documents adopted by the club and none other.

5.1.4 The President shall perform all customary duties pertaining to the office of President.

5.1.5 The President shall be an ex-officio member of all DARC committees.

5.1.6 The President may, from time to time, delegate to others the authority to act as DARC spokesperson or representative of the DARC but shall retain the ultimate authority to act as the primary spokesperson and representative of the DARC.

5.2 VICE PRESIDENT

5.2.1 The Vice President shall serve as membership chairman and solicit and encourage new members.

5.2.2 The Vice President shall assist the President in the performance of the President's duties.

5.2.3 The Vice President shall preside over all DARC functions in the stead of the President should the President not be able to do so.

5.3 SECRETARY

5.3.1 The Secretary shall maintain the official and accurate record of all DARC activities, including, but not limited to:

(a) Copies of all meeting minutes, to include general membership, and Board meetings.

(b) Originals or copies, as appropriate, of all correspondence relating to DARC business, regardless of the author thereof.

(c) A copy of all amateur radio licenses issued to the DARC through its License Trustees as herein provided.

(d) The current name, address, and telephone number of the DARC License Trustee of the various DARC radio systems.

(e) A current and accurate list of the DARC membership. This list may include call signs, email addresses, meeting attendance or other appropriate information that is determined to be needed for the completion of Club duties. This list shall be shared by the Secretary with other Board members to assist in their roles.

(f) Any other documents deemed appropriate by the DARC Board of Directors.

5.3.2 Documents having legal or historical significance shall be stored and protected in an appropriate manner.

5.3.3 No original documents in the custody of the Secretary may be transferred, assigned, or given to any other party without the express permission of the President. Should information be required, only photocopies shall be provided to the requestor.

5.3.4 The Secretary may write official correspondence for the DARC.

5.3.5 The Secretary shall, upon completion of their term of office, turn over all materials and documents to the incoming Secretary in a timely manner.

5.4 TREASURER

5.4.1 The Treasurer shall maintain a checking account in the name of the Delta Amateur Radio Club, Inc. for the deposit of funds and the normal disbursement of funds.

5.4.2 The Treasurer shall maintain and keep accurate, current, and detailed records of all financial transactions to which the DARC is a party.

5.4.3 The Treasurer shall pay no bills except regular reoccurring expenses and those authorized by the current budget. All other expenditures other than the ones stated

must be approved by a vote of the general membership prior to making the expenditure.

5.4.4 The Treasurer shall maintain an interest-bearing savings account or Certificate of Deposit(s) for the deposit of funds in excess of normal operating monies.

5.4.5 The Treasurer shall set up and maintain an effective system to track budget status and projected budget conditions to alert the Board to any potential financial shortfalls that may occur.

5.4.6 The Treasurer shall prepare a budget according to Article 9 Section 4 “Adoption of the Budget.”

5.4.7 The Treasurer shall provide, as requested, to the Board or the President, a detailed and complete listing of receipts, expenditures, receivables, and liabilities.

5.4.8 The Treasurer shall provide at each regular Board meeting an itemized statement of receipts and disbursements. Should any DARC member wish to inspect the financial records, a request may be made to the Treasurer during a meeting of the Board. No information concerning DARC financial status shall be given outside normal DARC channels without the express permission of the Board. No document shall leave the possession of the Treasurer without the express permission of the Board.

5.4.9 The Treasurer shall report at each regular membership meeting the receipts and disbursements for the prior month. An itemized statement of receipts and disbursements for the prior month shall be published in the DARC newsletter each month.

5.4.10 The Treasurer shall assist other authorized parties in a timely manner, as required, with any audits or reviews of DARC books, tax matters, incorporation, and any other issues that may arise. Questions regarding how to handle these items shall be directed to the Board.

5.4.11 The Treasurer shall file, in a timely manner, the necessary tax documents with the appropriate State and Federal agencies, as required by the corporation by-laws. Copies of these reports shall be maintained with other financial records.

5.4.12 The Treasurer shall, at the completion of the term of office, turn over all materials and information to the incoming Treasurer in a timely manner.

5.5 DIRECTOR OF PROGRAMS

5.5.1 The Director of Programs shall be responsible for scheduling all speakers at club meetings; be responsible for ensuring that any special equipment, if required, is on hand for the presentation; and is to work with the program guest(s) to make sure that everything is provided for the presentation.

5.6 DIRECTOR OF PUBLICATIONS

5.6.1 The Director of Publications shall be responsible for gathering, editing, and publishing of information for any club publications, including but not limited to the monthly DARC newsletter and the DARC website.

5.6.2 The Director of Publications, with assistance of the Secretary, shall maintain a DARC email list of members and nonmembers for the purpose of distributing the DARC newsletter and other information.

5.7 DIRECTOR OF TRAINING

5.7.1 The Director of Training shall coordinate any classes or special training sessions of the DARC.

5.7.2 The Director of Training will plan, coordinate, and work with the Public Information Officer and the Director of Publications to distribute any information to the public on any such training sessions.

5.7.3 The Director of Training is responsible for coordinating the Net Control Operators for DARC repeater nets. The Director may appoint a Net Manager to serve concurrent with the term of the Director.

5.8 DIRECTOR OF MEETINGS AND SPECIAL EVENTS

5.8.1 The Director of Meetings and Special Events shall be responsible for ensuring that the meeting room is available.

5.8.2 The Director is responsible for purchasing refreshments for each monthly membership meeting.

5.8.3 The Director is also responsible for securing any meeting facilities for any sit-down eating meetings or club picnics, or for any other requirement for any meeting facilities that might occur.

5.9 PUBLIC INFORMATION OFFICER

5.9.1 The Public Information Officer shall be appointed by the President to be responsible for generating publicity and recognition for all DARC functions and activities.

5.9.2 The Public Information Officer shall maintain an accurate and permanent record of their activities and at the completion of the term of office turn over all materials and information to the incoming Public Information Officer in a timely manner.

5.9.3 The Public Information Officer shall have no voting privileges on Board matters.

5.10 CLUB HISTORIAN

5.10.1 The Club Historian shall be appointed by the President to keep a record, both written and pictorial, of all club events.

5.10.2 All written and pictorial documents shall be maintained and turned over to the successor in a timely manner.

5.10.3 The Club Historian shall have no voting privileges on Board matters.

5.11 CLUB COUNSEL

5.11.1 The Club Counsel may be appointed by the President to advise the Board of Directors on any legal matters that might arise.

5.11.2 The Club Counsel shall have no voting privileges on Board matters.

5.12 W4BS TRUSTEE

5.12.1 The Trustee shall be appointed by the President and will be responsible for any use of the W4BS call.

5.12.2 The Trustee shall hold a valid Amateur Extra Class license or the current highest FCC amateur radio license.

5.12.3 The Trustee will hold the position on the Board with full voting privileges on Board matters until the President recommends a successor and the Board approves the recommendation.

ARTICLE VI – MEMBERSHIP MEETINGS

6.1 MEETINGS

6.1.1 The regular meeting of members shall be held on the second Tuesday of each month at a time and place specified by the Board of Directors. The Board of Directors may change the date, place, and/or time of the meeting to coincide with special programs or occasions, and must notify the membership of the change via electronic mail (e-mail) at least one (1) day prior to the meeting date.

6.1.2 All DARC meetings and events may be recorded and published.

6.2 QUORUM

6.2.1 The members attending each meeting shall constitute a quorum for transaction of business: a majority rules.

6.3 SPECIAL MEETINGS

6.3.1 Special meetings may be called by the President at any time by a request of at least five members of the DARC. Notification shall be as outlined in Section 6.1.1.

6.4 ELECTRONIC MEETINGS

6.4.1 The Board of Directors may, in its sole discretion, determine that if any meeting of the members cannot be held in person, a meeting may instead be held through electronic or other available means.

Participation in a meeting held by electronic or other available means shall constitute presence in person at the meeting for all purposes, including quorum and voting.

ARTICLE VII – DARC COMMITTEES

7.1 COMMITTEES

7.1.1 All committees, both standing and interim, are expected to operate and to serve the DARC in a manner consistent with the stated purpose of the DARC as specified in Article I of these by-laws.

7.1.2 All committee chairpersons serve at the request and the pleasure of the DARC President.

7.1.3 Repeater Committee: The W4BS Trustee may appoint a committee, which shall be chaired by the W4BS Trustee.

ARTICLE VIII – CLUB LICENSE TRUSTEES

8.1 REQUIREMENTS

8.1.1 As required by Title 47, Part 97 of the FCC rules governing Amateur Radio, the DARC shall designate License Trustee(s) to hold the licenses necessary to fully operate the various DARC repeater systems. This Article is intended to supplement the FCC rules, and should it be determined that this Article is in conflict with FCC rules, the FCC rules will prevail.

8.2 QUALIFICATION

8.2.1 Each DARC License Trustee shall be a member in good standing of the DARC and shall maintain the highest-class license currently issued by the FCC.

8.3 TRUSTEES SELECTION

8.3.1 In the event a License Trustee of record no longer meets the requirements of this Article or the License Trustee is no longer willing or able to serve as License Trustee, the DARC President shall select a new License Trustee. The DARC Board of Directors will ensure that all appropriate records are updated in accordance with FCC rules and regulations in force at the time of selection.

ARTICLE IX – FISCAL AFFAIRS

9.1 PERIOD OF FISCAL YEAR

9.1.1 The DARC fiscal year shall be from January 1 through December 31.

9.2 EXPENDITURES

9.2.1 The Board of Directors shall, by majority vote when a quorum is present, have the authority to authorize the expenditure of funds as outlined in the Club budget.

9.2.2 The Board of Directors has no authority to assume any debt on the Club's behalf.

9.3 DEPOSITORY

9.3.1 The Board of Directors shall select the depository of Club funds and shall determine the procedure of writing checks.

9.4 ADOPTION OF THE BUDGET

9.4.1 The Treasurer, with the help of the Board, shall prepare a proposed written budget for the upcoming calendar year by the December Board meeting.

9.4.2 At the January Board meeting, the status of the DARC funds and the financial transactions of the past year will be reviewed. At this meeting, the Board shall confirm a proposed written budget for the current calendar year. The proposed budget shall be published in the February DARC newsletter.

9.4.3 This proposed budget will show the income and expenses for the past year as well as the expected income and expenses for the current year.

9.4.4 The proposed budget shall be voted upon by the membership present at the February general membership meeting. The budget will be considered adopted by a simple majority vote of those members present.

9.4.5 Should an unexpected event arise that would result in expenses exceeding the total budgeted expenditures, the Board can request to amend the budget during a regular or special membership meeting. The amended budget will be considered adopted by a simple majority vote of those members present.

9.5 BOARD DISCRETIONARY SPENDING AUTHORITY

9.5.1 The purpose of the Board Discretionary Spending Authority is to allow the DARC Board the ability to spend a limited amount of money as defined in Section 9.5.2, without any prior approval, as necessary to conduct the business of the DARC.

9.5.2 The specific amount of the Board discretionary account shall be reviewed and revised, as necessary, at least annually at the Board's January budget meeting and allocated in the approved fiscal year budget.

9.5.3 The Board may review the budget and reallocate funds among categories if it deems it appropriate, so long as the overall total budget is not changed.

ARTICLE X – PARLIAMENTARY AUTHORITY

10.1 PARLIAMENTARY AUTHORITY

10.1.1 The rules contained in "Robert's Rules of Order Newly Revised" shall govern in all cases to which they are applicable, and in which they are not inconsistent with these by-laws.

ARTICLE XI – AMENDMENTS TO THE BY-LAWS

11.1 AMENDMENT PROCEDURE

11.1.1 Any voting DARC member may submit a proposed amendment to these by-laws at any regular meeting of the DARC. Such proposals must be written, signed by five voting members of the DARC, and must be given to the DARC Officer presiding at the regular meeting, who shall in turn give it to the President.

11.1.2 At the next meeting of the Board of Directors, the President shall present the proposed amendment to the Board, which will then discuss it and recommend either adoption or rejection of the proposed amendment, including in the recommendation the reasons for adoption or rejection. A decision on a recommendation may be postponed until the next meeting of the Board if the Board feels that additional investigation is required.

11.1.3 At the first regular meeting of the DARC following the decisive meeting of the Board, the Officer presiding at the meeting shall present to the DARC the Board's recommendation on the proposed amendment to these by-laws. The only action the DARC may take at this time is to set a date, time, and place at which a vote on the proposed amendment shall occur.

11.1.4 The Secretary shall convey copies of the proposed amendment and supporting comments from its creators, and the Board's recommendations and comments on the proposed amendments to the DARC Director of Publications for incorporation into the

next DARC newsletter. The newsletter shall also announce the date, time, and place of the vote on the submitted amendment. The same information shall also be given to the web site manager for incorporation onto the DARC web site and the DARC email list may be used to transmit the information by email. The meeting date for voting shall also be announced on all DARC nets prior to the voting meeting.

11.1.5 At the meeting of the DARC at which the vote on the proposed amendment shall occur, a two-thirds majority vote of the quorum present in favor of the proposed amendment is required to adopt the amendment.

11.2 TECHNICAL AMENDMENTS OF THE BYLAWS

11.2.1 The Board of Directors is authorized to correct article and section designations, punctuation, and cross-references and to make such other technical and conforming changes as may be necessary to reflect the intent of Delta Amateur Radio Club.

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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