SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 130 * November 2026

Delta Amateur Radio Club (DARC)

Click to contact the DARC Board of Directors

Click to visit the DARC Website

Find us on ARRL

Like us on Facebook

Subscribe to our YouTube

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*
144.390 Digipeater *DMR

You are invited to attend our monthly membership meeting at 7 pm on: Tuesday, November 10th, 2026.

The meeting location will be at **First Evangelical Church, West Entrance, 735 Ridge Lake Blvd** down the street from the Hilton Hotel near Poplar and I-240. See the Delta Club webpage at: http://www.deltaclub.org for detailed instructions with pictures on how to find the correct entrance. Parking is available at the left side parking lot with the West entrance being at the far end of the parking lot. The meeting will be in room E234.

- **FCC Testing begins at 5:30 p.m. in room A109**
- **HAM 101 begins at 6:00 pm in room E234**
  - Tech Support
- **Membership Meeting begins at 7:00 pm**
  - Part One - Annual board elections
  - Part Two - Jeopardy
  - Part Three - Door prize drawings

FCC TESTING: Don't forget the monthly ARRL Volunteer Examiner testing session prior to in-person meetings. Registration begins at 5:30 PM and testing begins by 6:00 PM. Please remember to bring two (2) forms of identification, at least one a photo ID, and copies of any existing licenses or CSCE's you might have. Please be on time for registration, as you will not be allowed to enter the testing session after 6:00 PM. This is to allow our volunteer VE team to finish in time to attend the club meeting. Candidates MUST have an FCC Federal Registration Number (FRN) BEFORE coming to the testing session. For more FCC testing, or FCC FRN information, please contact:

Don Strahl KZ4GJ, VE Liaison
Phone: 901-833-1270
Email: KZ4GJ.Don@gmail.com

Club Announcements!

Until further notice, our current monthly meeting location is:

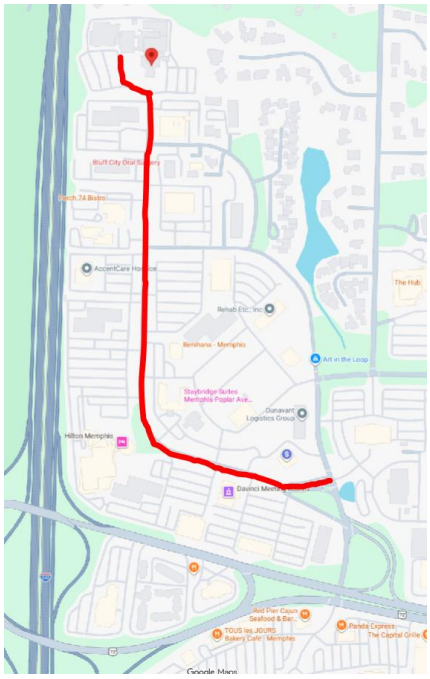
First Evangelical Church
735 Ridge Lake Blvd
Memphis, TN 38120

Monthly membership meetings are held on the second Tuesday of each month, beginning at 7:00 p.m. Ham 101 begins at 6:00 p.m., and FCC testing registration begins at 5:30 p.m.

The church is near Poplar Avenue and I-240, down the street from the Hilton Hotel.

We are not currently able to move back to the Arlington location because our request for meeting space was rejected.

The board welcomes suggestions for other possible meeting locations.



NOVEMBER 10 — BOARD ELECTIONS AND DOOR PRIZES

Our November membership meeting includes the annual board elections and door prizes. A candidate is still needed for Director of Programs; interested members should contact Nominating Committee Chairman Tom Butas, KM4AEM.

ARRL DELTA DIVISION ELECTION — VOTE BY NOVEMBER 20

Online voting ends at noon Eastern time on November 20. Look for your ballot instructions from ARRLElection@mg.ElectionServicesCorp.com, including in spam or junk folders. Help: 866-720-4357 or ARRLElection@ElectionServicesCorp.com. See the full announcement in DARC Director's Reports.

GENERAL CLASS 4-26 IS UNDERWAY

Six students are participating in the General license class. Remaining sessions are November 12 and 19 and December 3 and 10. Students watch Ham Radio Prep lessons before the in-person Elmer session; the final class offers an FCC exam. See the complete training section.

RENEW YOUR DELTA MEMBERSHIP — ONLINE PAYMENT AVAILABLE

Annual dues are $20 per individual or $25 per family. Download the application at https://deltaclub.org/membership. Pay online at https://delta-amateur-radio-club.square.site/shop/dues/HJULZ4DSOWWRPZOS5JUTZOM6, at a meeting, or by mail to P.O. Box 342768, Memphis, TN 38134-2768.

ARISS TECHNICAL SUPPORT OPPORTUNITY

Covington High School students have been selected for an amateur radio contact with the International Space Station. Mary Jean Hall, KY4FB, has asked Delta Club to provide technical support. The contact is tentatively planned for early February 2027; members interested in helping should contact a board member.

November Meeting Door Prizes

Submitted by Joe Plunk, NS4E

Below is our list of door prizes for the November meeting.
Would you be interested in getting extra tickets?
Drawings from Door prize tickets collected at each meeting since January 2026.



4 × DC 12V/24V to 5V USB C Step Down Converter,
Aideepen 3A 24W Type-C Output Charging Module Waterproof Buck Module Power Adapter



Soldering Iron Holder,
Heat-resistant Tip Cleaner with Brass Wool Tip Cleaner and Cleaning Sponge for Stable Soldering Iron Storage and Cleaning



Book: The Guerrilla's Guide To The Baofeng Radio



2 × Baofeng Radio UV-5R Mini Ham Radio Handheld Long Range Radio
USB-C Rechargeable & APP Programming
NOAA Weather Radio Scan,
999 Channels, DualPTT,
One Radio and one set of accessories from a 2 pack



Bingfu Mobile Ham Radio Antenna with Ground Plane
Dual Band VHF UHF Gmrs |136-174MHz 400-470MHz
Magnetic Base Soft Whip Antennas PL259 Male forVehicle Car Marine Amateur Radio



PINECIL – Smart Mini Portable Soldering Iron,
Small



Nooelec RTL-SDR v5 Bundle -
NESDR Smart HF/VHF/UHF (100kHz-1.75GHz)Software Defined Radio.
Premium RTLSDR w/ 0.5PPM TCXO, SMA Input, AluminumEnclosure & 3 Antennas.
RTL2832U & R820T2-Based Radio



Portable Tinysa Spectrum Analyzer,
AURSINC V0.3.1 Handheld Frequency Analyzer,
Signal Generator 100kHz to 960MHz MF/HF/VHF UHF Input
ESD ProtectedFunction with 2.8 inch Touchscreen



12V Battery Box for 30Ah/20Ah/10Ah LiFePO4,
Waterproof 12V Marine Case with 100A Master Switch,
Anderson Plug, Dual QC3.0 & PD Fast Charger,
30A Connectors for RV, Camping, Boat, Trolling Motor



BAOFENG DM-32 DM32
DMR 10W Ham 2 Way Radio
GPS Matching Writing Frequency Satellite Positioning Type-C

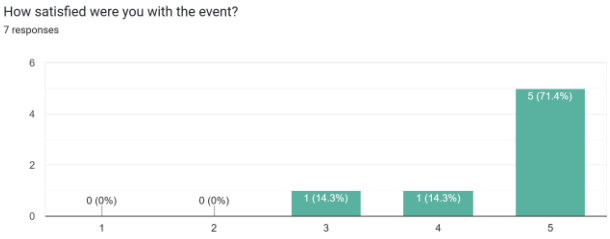


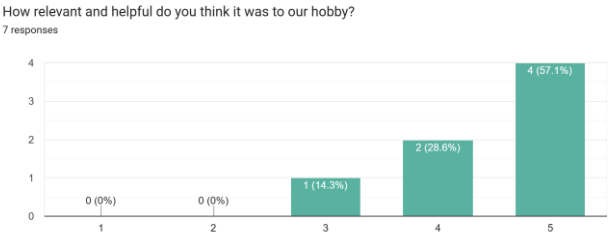
BIOENNO 12AH BLF-1212A
with 2 Amp 1502 Charger

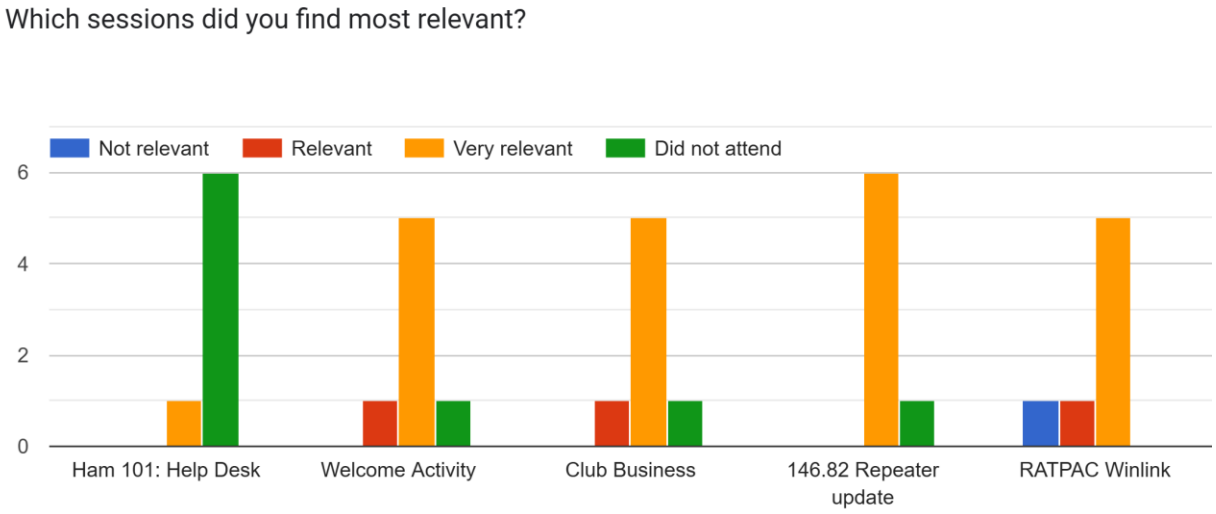
October Membership Meeting Signal Report

I wanted to share the “Signal Report” from the meeting last month. We had 38 people on the sign in sheet and 7 surveys submitted. The results are shown below. Based on the survey data the programs were well received. Thank you for filling out the survey and giving the club leadership feedback on how things are going. We want to hear from the membership, both good and bad. It gives us the opportunity to hear from you and respond. Our surveys allow us to quickly respond to things that are liked and things that are not liked. If we are doing something that is not getting good feedback we are committed to changing it and making it better. Please enjoy the results from last month below.

Thank you.







What would you like to see in the Ham 101 time slot?

1 response

- Actual operation

What is one thing you would like to see the club do next year?

2 responses

- Group events that include several bands and technologies
- The winlink presentation was top-notch. The club should see about meshcore and how it could be used for messaging in a situation without internet.

President's Corner
Submitted by Joe Plunk, NS4E

As we come into the traditional holiday season, it is a time to celebrate. Our club has many things to celebrate! We have a strong, vibrant membership base. We continue to build a fantastic Expo in April (April 3rd if you would like to put it on your calendar). We have an amazing fleet of repeaters in the Shelby County area. We also have a strong group of people that give hours of their time to be board members of the club. November is the month that we elect our new board for 2027. Please join us on Tuesday to elect next year's board.

The board currently has an open position for next year. We are in need of a person to be our Director of Programs. In addition, we need to find a couple of people to assist our current secretary and treasurer. If you would be willing to help lead our club please reach out to myself or any of the board members.

After our elections we plan on having a fun game of Jeopardy hosted by John Reiners, KN4BVH, and focused on ANSWERS from our hobby that we all love. Jeopardy will then lead into a fantastic round of door prize drawings that are drawn from all of the tickets from the meetings since January 2026. Thanks to Perry Hayes, N4GJ and our secretary, for keeping up with these over the meetings. Our December meeting (December 8th) is our traditional club potluck Christmas dinner. The club supplies the protein (usually Ham), and you bring your favorite dish—this has always worked out and we have plenty of everything.

As we move towards the end of the year I would challenge us all with these two simple challenges:

- Learn and do something fun and new in our hobby.
- Share that new and fun thing you just learned in our hobby with someone and ask them to join you in our club.

Our hobby is fantastically wide, deep, and diverse. It has so many things that we can do and get interested in. It has been fun asking for feedback on the Signal Report about one thing that you, our member, would like to see the club do next year. I look forward to trying to get all of the suggestions worked in.

I would like to ask that you please renew your membership for 2027. If you have already renewed, thank you. If you have not please come join us at the membership meeting this week and let us work with you to get your membership renewed. At twenty dollars it is a fantastic value. We now have electronic payment acceptance via Square (check out this link to pay https://delta-amateur-radio-club.square.site/), or if you prefer, bring your cash or check to the meeting and we will get your membership renewed.

Lastly, please ask one person to join our club and have fun with us! We look forward to meeting them soon!

73

Joe Plunk, NS4E

Activities coming up for the Delta Club:

- November Membership meeting – November 10th – Our annual board member elections and door prize giveaway
- December Membership meeting – December 8th – Our annual Christmas dinner potluck and social gathering
- Swamp Stompers is coming in January. This is another great opportunity for our club to serve other organizations using the hobby we love. Please stay tuned for more details.
- Winter Field Day -- January 23–24, 2027 https://winterfieldday.org/
- Radio Active Mid-South Expo 2027 at the Agricenter April 3rd, 2027

Program's Corner
Submitted by Adam White, K4SPB

November Meeting Program

HAM 101: Tech Support. Membership program: Jeopardy, plus annual board elections and door prizes.

Winter Field Day is rapidly approaching. It will be January 23rd & 24th, 2027. I'm hoping to attempt a group camp activity at Meeman-Shelby Forest State Park once again and also hoping for no ice this time. Email programs@deltaclub.org if interested in attending.

Lots of exciting things are happening in the ham radio software space A new VARA alternative is now available. Xara is an open source alternative to the popular data modems for Linux, Mac, and FreeBSD. It is fully configurable and provides a web server for management. https://github.com/x0rro/xara Xara is now integrated in the latest Digipi beta release. https://digipi.org/

The newest release of RepeaterBook for iOS now allows for programming of popular radios such as the BTECH UV-PRO and its variants. It will also program ICOM radios with bluetooth through a new feature called ICOM Hub. It can also provide radio diagnostics over bluetooth to monitor two way commands between the phone and radio. https://apps.apple.com/us/app/repeaterbook/id606820166

John Trinterud, K9ONR, gave a presentation to the RATPAC on optimizing recent improvements to Winlink covering new features and security improvements. This is an expansion of the presentation shown at the October member meeting. https://www.youtube.com/watch?v=8iOtAl_j0WY To use the Post Office feature on the K4SPB-10 RMS, use SSID -13. Radio Only is available at -14. These SSIDs are only needed for Packet mode. For VARA FM you must have v4.4.0 or higher installed.

Repeater Trustee's Corner

Submitted by Dan Fleek, AA4DF

On October 13th, Arco Tower came out to swap out antennas and jumpers at the Brunswick tower site. This was an effort to remediate noise with the 146.82 W4BS repeater and fix the mount and coverage of the 443.7 DMR repeater. Through some testing, we determined that a tower climb was necessary. With some planning and photos of the antennas on the tower, Arco was prepared and the work was done in one day.



Brunswick tower work — photo by Tom, AC5MR.

The 500ft VHF antenna was originally the tx/rx antenna for the 146.82. After issues, the club had switched to the 700ft location with another antenna several years back. This worked for a while until the repeater became noisy.

For the 500ft VHF antenna location, the jumper from the hardline to the antenna harness had failed. This created a high SWR situation and poor performance. The repeater became almost deaf when that antenna was used in the past. We had the antenna swapped out and a new jumper made. Everything swept well on the cable analyzer and the SWR was good.

For the 700ft VHF antenna location, the antenna bracket had rotated in, so the antenna was close to the tower and the antenna had tilted some. I did not get a chance to inspect the jumper that was replaced, but it may have also failed. The antenna and jumper was replaced, the bracket moved back out to 90 degrees from the side of the tower, and a top brace was added to keep the antenna stable in the wind.

The UHF antenna also had issues. The mounting bracket had allowed the antenna to tilt significantly downward to the southwest. The connector and harness showed signs of water ingress and the N connector for the antenna was corroded. That antenna had been up there for some time, possible 20-25 years so it likely needed replacing. A new antenna and jumpers were installed. The UHF antenna was moved over on the platform a few feet to increase separation from the VHF antenna.

The results were great and the goal of fixing our coverage and noise issues were accomplished. The excellent coverage for the 146.82 has returned. The static monster is gone. Mobile coverage is good in Southaven MS, Marion AR, Exit 49 on I-40, and the west half of Fayette County. Most people that had issues before can now get in to the nightly nets with no problem. The DMR repeater coverage increased as well. Mobile coverage is good, and those with external antennas have good signal into the DMR system from Collierville.

Thank you to all the help that I had on this project - Joe NS4E for talking to tower companies, Adam K4SPB for antenna quote help, Paul KY4MX for getting all of the financial work moved through, Tom AC5MR for Part 107 drone photos and video, and Steve KK4VPT for video the day of the climb and putting it together for YouTube. And a big thanks to the club members and special donors for supporting this project. Everybody had a part in the success.

Hope to hear you on the repeaters!

YouTube Addict

The City Of Cerritos Vs My Ham Radio Antenna - A Small Update
https://youtu.be/G073fZe3OO0
NO WAY! The FCC Requires IDs For Online Sales Now!
https://youtu.be/fvJZxmxHb8E
The FCC Just Voted To Shut Down Chinese Certification: What You Need To Know
https://youtu.be/mQINhUZdpDY
Why My Dream Ham Radio Station Became Too much
https://youtu.be/hQuDBCKCkeA
I Tested 5 Returned Radios. Something Isn't Adding Up.
https://youtu.be/prioNVCLEyg
Building a fully automated satellite ground station for SDR
https://youtu.be/jto2xUEAp0Q
Xara running on Digipi
https://youtu.be/azalmc_KFvU
RATPAC Winlink Presentation — October Meeting Recording
https://youtu.be/avO1nOPSs48

DARC Director's Reports

Submitted by Joe Lowenthal, WA4OVO

DELTA DIVISION ELECTIONS

October 26–November 20, 2026

Dear ARRL member,

In a few days, email messages will be sent to members indicating that the online voting site for the 2026 ARRL Delta Division Election is now open. The message will include instructions to access candidate statements, the electronic ballot, and to vote online.

Election Services Co. (ESC) of Melville, New York, was selected to conduct the election. This is the same company that has conducted ARRL elections since 2022. Some background about the effort to modernize Division elections, including transitioning members to use electronic ballots, can be found in the October 2026 issue of QST magazine, page 73, in the article "Upcoming Elections and How to Vote."

Please watch your email for the message from Election Services Co.

The email message will include the following header:

From: ARRLElection@mg.ElectionServicesCorp.com

Be sure to check your Inbox and folders for spam and junk to make sure you do not miss this message.

Tip: If the link included in your message from Election Services Co. does not work, try copying the web address into your web browser to load the page.

Should you need any assistance with voting, please contact the helpdesk at Election Services Co.:

Telephone 866-720-4357email ARRLElection@ElectionServicesCorp.com

Online voting ends at noon (ET), November 20, 2026.

You will also be receiving a postcard with the same information for voting online. Please note that only one vote per member will be counted.

73

David A. Minster, NA2AA

Secretary

ARRL The National Association for Amateur Radio®

Member Submissions

Submitted by Joe Sanders, KM4JXS

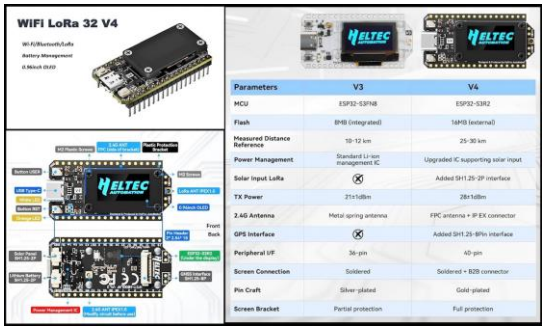
Meshtastic Hardware Update

The widely used Heltec V3 board used in many Meshtastic nodes has been updated and vastly improved in the new V4 design. The footprint of the V4 is basically the same as the V3 it replaces, so many existing cases should make upgrading easy with minor to no modifications required.

Here are some of the new V4 improvements:

- Significant boost in range performance
- Transmit output increase to 28 dBm
- Increase in memory
- Solar panel interface
- Lithium battery management
- GPS input connector
- And much more

With the improved V4 new and existing nodes can be assembled to take advantage of the enhanced performance, ease of setup, and the low cost this model offers. Couple the V4 with a basic case, an upgraded antenna, a 10 foot USB C cable and AC adapter; mount it high in an upstairs window and let it run 24/7 and you'll be surprised at the number of mesh nodes you'll pick up (and are able to transmit to) if you're in a large metro area! Meshtastic apps are available to interface with both iOS and Android devices.



Part	Amazon link
Heltec V4	https://a.co/d/0dBNHuPM or https://a.co/d/0dJAQ0X3
Case	https://a.co/d/0a69FVom
Antenna	https://a.co/d/04evPmS4
10 ft USB-C cable	https://a.co/d/03Oded6X
USB adapter	https://a.co/d/08hN63QG

Heltec V4 Manual

https://resource.heltec.cn/download/WiFi_LoRa_32_V4/datasheet/WiFi_LoRa_32_V4.2.0.pdf

Treasurer's Report
Submitted by Paul Broom, KY4MX

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 dues are $20 per individual or $25 per family. Completed applications and payment may be mailed to:

Delta Amateur Radio Club
PO Box 342768
Memphis, TN 38134-2768

Blank applications are also available at club meetings. If you prefer, you can print and bring the completed form, along with applicable membership fees, to any in-person meeting. Please contact Paul Broom,KY4MX at **treasurer@deltaclub.org** with any questions or concerns regarding application submission and/or payment of annual dues.

LIFEGREEN CHECKING FOR BUSINESS
October 1, 2026 through October 30, 2026

SUMMARY

Beginning Balance	**$25,144.13**		Minimum Daily Balance	$27,667
Deposits & Credits	$3,786.11	+	Average Monthly Statement Balance	$28,264
Withdrawals	$0.00	–		
Fees	$0.00	–		
Automatic Transfers	$0.00	+		
Checks	$9.59	–		
Ending Balance	**$28,920.65**			

DEPOSITS & CREDITS

10/01	Talley Communica Vendorpmt 0000delta Amat 400533	2,523.85
10/05	Deposit - Thank You	520.00
10/15	Deposit - Thank You	50.00
10/20	Square Inc Sq261020 Delta Amateur	28.71
10/23	Square Inc Sq261023 Delta Amateur	28.71
10/26	Square Inc Sq261026 Delta Amateur	114.84
10/26	Deposit - Thank You	520.00
	Total Deposits & Credits	$3,786.11

CHECKS

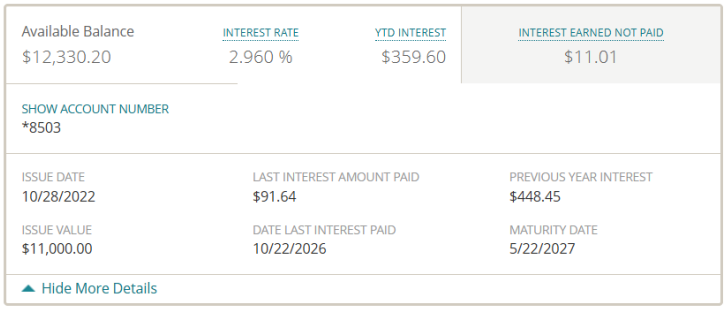
Date	Check No.	Amount
10/15	1703	9.59

DAILY BALANCE SUMMARY

Date	Balance	Date	Balance	Date	Balance
10/01	27,667.98	10/15	28,228.39	10/23	28,285.81
10/05	28,187.98	10/20	28,257.10	10/26	28,920.65

Applications Received		
(0) New Membership(s) - Pro-Rated Dues		$0.00
(0) New Membership(s) - Dues Waived		$0.00
(0) New Membership(s) - Individual		$0.00
(0) New Membership(s) - Family		$0.00
(2) Membership Renewal(s) - Individual		$40.00
(0) Membership Renewal(s) - Family		$0.00
(2) Donations Received		$1,000.00
	Total Dues & Donations Rec'd	$1,040.00
Other Deposits & Credits		
(0) ARRL Club Commission - New Mem - Family ($20.00)		$0.00
(0) ARRL Club Commission - Renewals ($5.00)		$0.00
Estate Sales		$50.00
Wire - Talley Inc - Refund from cancelled order		$2,523.85
Training Fees Received		$168.00
Square Surcharges		$12.00
Square Fees		($7.74)
	Total Other Deposits	$2,746.11
	Total Deposits	$3,786.11
Withdrawals & Debits		
None		$0.00
	Total Withdrawals	$0.00
Checks		
Ch#1702 - Josh Cunningham - Voided		$0.00
Ch#1703 - Josh Cunningham - Meeting refreshments		$9.59
Ch# 1704 - First Evangelical Church - Meeting space donation ($500 outstanding)		$0.00
Ch# 1705 - Tessco - Repeater maintenance ($28.77 outstanding)		$0.00
	Total Checks	$9.59

SMALL BUSINESS CD *8503



You may also pay membership dues online:
https://delta-amateur-radio-club.square.site/shop/dues/HJULZ4DSOWWRPZOS5JUTZOM6

DARC Board of Directors Meeting Minutes

Submitted by Perry Hayes, N4GJ

Delta Club BOD Meeting Minutes October 6, 2026

Minutes of the Delta Amateur Radio Club Board of Directors Meeting - October 6, 2026

Present: President Joe Plunk, NS4E, Vice President Tyler Henley, KQ4QEV, Treasurer Paul Broom, KY4MX, Director of Programs, Adam White K4SPB, Director of Meetings and Special Events Josh Cunningham, KQ4IOS, Director of Training Joe Lowenthal, WA4OVO, Repeater Trustee Dan Fleek, AA4DF.

Absent: Secretary Perry Hayes, N4GJ, Director of Publications Johnathan Urschel, KO4WAQ.

Guests: Expo Hamfest Committee Chairman Steve Frazier, KK4VPT.

The Delta Amateur Radio Club (DARC) Board of Directors (BOD) met on October 6, 2026, via a ZOOM video conference call. The President was present and the Secretary was absent.

President Joe Plunk called the meeting to order at approximately 6:30pm.

Joe Plunk called the roll and declared a quorum.

Joe Plunk asked if there were any additions or corrections to the Secretary's Minutes, which were circulated by email. There were none. Joe asked for a vote to submit the minutes to the membership. The BOD voted unanimously to submit the minutes.

Paul Broom presented the membership applications that were received since the September BOD meeting. Joe Lowenthal made a motion to accept all of the applications, which was seconded by Dan Fleek. The motion passed unanimously.

Treasurer Paul Broom presented the September Treasurer's Report, covering transactions for the month of September.

Paul said the club's CD with an account number ending in *8481 matured on September 21, and was redeemed. The amount of $5771.38 was deposited into the checking account.

The larger CD, with an account number ending in *8503, is still active. The current value is $12,238.56. It matures next May.

Josh Cunningham asked about a reimbursement check that he previously received.

Joe Lowenthal moved to accept the Treasurer's Report, as presented. There was a second by Dan Fleek. The motion passed without opposition.

Joe Plunk asked the BOD about bills expected to come due in October. There were none.

Joe Plunk said that there is a $400 item in the budget for a donation to the organization that hosts the club meetings. Joe wanted to go ahead and cut a check for the donation to First Evangelical Church (First Evan). Joe asked if there would be any opposition to increasing the donation to $500 – with the unbudgeted amount coming out of the BOD's discretionary fund. First Evan has been very welcoming and generous to the club.

There was a discussion about Joe's proposal.

Joe Plunk made a motion to add an additional $100 from the BOD's discretionary fund and make a donation totaling $500 to First Evan. Tyler Henley seconded the motion. The motion passed unanimously.

There was a discussion about the presentation topics for the October club meeting. Repeater Trustee Dan Fleek will also discuss the 146.82 Tower Climb.

There was a discussion about the 146.82 Tower Climb project, scheduled for October 19-20. There was also a discussion about repeaters that could be used for the Bluff City Blues Ride.

Expo Hamfest Committee Chairman Steve Frazier, KK4VPT, gave an update about the plans for next year's event. Steve is still waiting for some information from Agricenter International, which he hopes to receive before the October membership meeting.

There was a discussion about DARC's grant application for next year's Expo. Steve is getting the information together, but the application cannot be submitted to the ARRL Foundation until January.

Joe asked everyone to submit their ***Sparks*** articles to Johnathan Urschel as soon as possible.

There was a discussion about the Bluff City Blues Ride, scheduled for Saturday, October 17th.

There was a discussion about the Bartlett Fire Department Pancake Breakfast, also scheduled for October 17th.

Joe Plunk said that Johnathan Urschel is working on the door prizes for the November membership meeting. If anyone has any suggestions or donations, please contact Johnathan.

There was a discussion about the proposal to move the State of Alabama from the ARRL's Southeastern Division to the Delta Division – and the associated survey on the ARRL website.

Joe Plunk said that Mary Jean Hall, KY4FB, received word that her students have been selected to participate in the ARISS (Amateur Radio on the International Space Station) program. They will speak directly with the crew of the ISS, via amateur radio.

Mary Jean has asked Delta Club to be the technical lead for the contact, which is tentatively scheduled for the first week of February.

Joe said he has reached out to Rick Tillman, WA4NVM, for assistance with the project. Joe is hoping that other DARC members will also step forward and participate.

There was a discussion about ARISS's requirements for the contact.

Joe Plunk said that there is at least one person willing to serve on all of the BOD positions in 2027 – except for Director of Programs.

Director of Training Joe Lowenthal said that a General Class License Class is tentatively scheduled to meet from October 29th-December 10th. The class will not go forward unless six students are registered.

Joe Plunk thanked Joe Lowenthal for his many years of service as Director of Training.

Joe Plunk asked if any BOD members had additional comments.

Tyler Henley said he was looking forward to seeing everyone at the October meeting.

Joe Plunk and Adam White discussed the programs for the October meeting.

Joe Lowenthal said that ARRL Tennessee Section Manager Dave Thomas, KM4NYI, sent an email about efforts to get the Tennessee legislature to regulate grow lights – which can emit RF that interferes with ham radio. Joe said that everyone should contact their legislators about this.

There being no further business, President Joe Plunk said he would entertain a motion to adjourn. Paul Broom made the motion to adjourn, which was seconded by Tyler Henley. The motion passed without opposition.

President Joe Plunk adjourned the meeting at approximately 7:17pm.

The next regular meeting of the Delta Amateur Radio Club Board of Directors is scheduled for Tuesday, November 3, 2026 at 6:30pm, via Zoom.

Respectfully submitted,
Perry Hayes, N4GJ
Secretary

Delta Club BOD Meeting Minutes November 3, 2026

Minutes of the Delta Amateur Radio Club Board of Directors Meeting - November 3, 2026

Present: President Joe Plunk, NS4E, Vice President Tyler Henley, KQ4QEV, Secretary Perry Hayes, N4GJ, Treasurer Paul Broom, KY4MX, Director of Programs, Adam White K4SPB, Director of Publications Johnathan Urschel, KO4WAQ, Director of Meetings and Special Events Josh Cunningham, KQ4IOS, Director of Training Joe Lowenthal, WA4OVO, Repeater Trustee Dan Fleek, AA4DF.

Absent: None.

Guests: Steve Frazier, KK4VPT

The Delta Amateur Radio Club (DARC) Board of Directors (BOD) met on November 3, 2026, via a ZOOM video conference call. The President and the Secretary were present.

President Joe Plunk called the meeting to order at 6:30pm.

Secretary Perry Hayes called the roll and declared a quorum.

Vice President Tyler Henley said that a photo of his family from Field Day has been selected by ARRL to appear in a future issue of QST magazine.

Joe Plunk asked if there were any additions or corrections to the Secretary's Minutes, which were circulated by email. There were none. Johnathan Urschel made a motion to accept the minutes, which was seconded by Paul Broom. The motion passed unanimously.

Paul Broom and Perry Hayes presented the membership applications that were received since the October BOD meeting. Johnathan Urschel made a motion to accept all of the applications, which was seconded by Josh Cunningham. The motion passed without opposition.

Treasurer Paul Broom presented the November Treasurer's Report, covering transactions for the month of October.

Paul said the club received two generous donations, totaling $1000. $50 was earned through estate sales.

Joe Plunk said DARC has not yet received an invoice for the 146.82 tower climb. He plans to reach out to the tower company again.

Paul Broom said the club CD earned an interest payment of $91.64 in October.

Tyler Henley made a motion to accept the Treasurer's Report, which was seconded by Perry Hayes. The motion passed unanimously.

Joe Plunk thanked Steve Frazier for his excellent video of the tower climb, which Steve produced and posted on YouTube.

Repeater Trustee Dan Fleek said the repeaters at the Brunswick site are working well, and have hardly any noise. There is coverage into all of Shelby County, and half a county into the surrounding area.

Dan said the repeater at the 146.625 site in Germantown will need to be replaced. The cost of a new repeater would fit into the budgeted amount for repeaters.

Dan also said that he shot a video of the old 443.200 repeater to submit to the insurance company. He expects DARC to receive the entire insured amount.

There was a discussion about a possible insurance claim for the 146.625 repeater. Dan said he did not yet know if the repeater was just old, or had been damaged by lightning. There was a consensus that the serial number of the repeater should be checked against the insurance policy.

Expo Hamfest Committee Chairman Steve Frazier, KK4VPT, gave a report about his discussions with Agricenter International, regarding the rental of space for future hamfests.

There was a discussion about which weekend in April would be best for the Expo, possible conflicts with the Easter holiday, possible conflicts with the Corinth hamfest and the wings of the Agricenter that would be available to rent during April of 2027 and 2028.

There was a consensus that the first weekend in April would be best for the hamfest. Easter does not fall during that weekend for many years to come. Steve said he would reach out to Corinth, to Nashoba Club and to the Expo vendors, to let them all know about the dates selected for the Expo.

Johnathan Urschel made a motion that Steve Frazier be authorized to enter into an agreement with Agricenter International to rent the A wing for the Expo Hamfest on the first weekend of April, 2027 and the D wing for the first weekend of April, 2028. There was a second by Adam White. The motion passed without opposition.

There was a discussion about offering food at future hamfests.

Steve Frazier said he would be out of town for most of January, 2027. He will be able to submit the application for the ARRL Foundation Expo grant, but will need at least one more person to help with the Swamp Stomper Race.

There was a discussion about items that could be offered as door prizes at the November meeting. Joe Plunk said that he would circulate an email about that to the BOD.

Joe Lowenthal discussed the ARRL Delta Division Director election. Current Director David Norris, K5UZ, is running against current Tennessee Section Manager David Thomas, KM4NYI. Online voting runs through November 20th.

Joe Plunk reported that Mary Jean Hall's students at Covington High School have been selected to participate in an ARISS (Amateur Radio on the International Space Station) contact with the astronauts aboard the ISS.

Mary Jean, KY4FB, has asked Delta Club to provide technical support for the contact.

There was a discussion about the ARISS requirements for the contact, including the need for a backup station.

Joe Plunk said that he had already asked Rick Tillman, WA4NVM, to assist with the contact. Joe said there will be opportunities for other club members to help out at the event. The contact is tentatively scheduled for the first weekend in February, 2027.

Joe Plunk said that Mary Jean's students were in need of a second antenna rotator, which is available in kit form for $348. Johnathan Urschel made a motion that the BOD purchase the kit out of its discretionary fund, which was seconded by Adam White. The motion passed unanimously.

Joe Plunk said that the December Holiday party and DARC yearly awards would be discussed at the December BOD meeting.

Director of Training Joe Lowenthal said that a General Class License Class is currently underway. Six students were present for the class session last Thursday.

Joe said that the new format for the class is working, provided that the students study the material ahead of the class session. Not as much time is needed for the in-person session, which lasted about an hour last week.

Joe is looking forward to the next few classes.

Joe Plunk asked if any BOD members had additional items to present.

Paul Broom said he will discuss the club's equipment and liability insurance policies at the December BOD meeting. Those policies renew around the end of the year.

Adam White said that John Reiners, KN4BVH, has agreed to host another episode of Jeopardy for the club this year.

Joe Plunk thanked Steve Frazier again for his video of the 146.82 tower climb. Joe said he would like to consolidate all of the photos from the tower climb into one location.

Joe Plunk said that there were certified candidates for all of the DARC BOD positions in next week's election - except for Director of Programs. Joe said that he had spoken with several people about running, and they were still thinking about it.

There being no further business, President Joe Plunk said he would entertain a motion to adjourn. Johnathan Urschel made the motion to adjourn, which was seconded by Paul Broom. The motion passed without opposition.

President Joe Plunk adjourned the meeting at 7:55pm.

The next regular meeting of the Delta Amateur Radio Club Board of Directors is scheduled for Tuesday, December 1, 2026 at 6:30pm, via Zoom.

Respectfully submitted,
Perry Hayes, N4GJ
Secretary

Minutes of Last Month's Club Meeting

Submitted by Perry Hayes, N4GJ

Minutes of the Delta Amateur Radio Club Membership Meeting - October 13, 2026.

The October 2026 Delta Amateur Radio Club (DARC) Membership Meeting was held on Tuesday, October 13th at First Evangelical Church (First Evan). The President served as the chair and the Secretary was present. Club President Joe Plunk, NS4E, called the meeting to order at 7:05pm. There were 38 members and visitors in attendance.

Present: President Joe Plunk, NS4E, Vice President Tyler Henley, KQ4QEV, Secretary Perry Hayes, N4GJ, Director of Training Joe Lowenthal, WA4OVO, Director of Meetings and Special Events Josh Cunningham, KQ4IOS, Director of Publications Johnathan Urschel, KO4WAQ.

Absent: Treasurer Paul Broom, KY4MX, Director of Programs Adam White, K4SPB, Repeater Trustee Dan Fleek, AA4DF.

Secretary Perry Hayes called the roll of the Board of Directors (BOD). There was not a quorum.

Joe Plunk welcomed everyone to the meeting. He asked everyone in attendance to introduce themselves.

Ham Hilliard, W4GMM, moved to accept the Secretary's Minutes and Treasurer's Report, as published in *Sparks*. There was a second by Jose Ibarra, KJ4TCJ. The motion passed without opposition.

Joe Plunk asked if any BOD Members had announcements. There were none.

Joe Plunk provided an update on the 146.82 tower climb. Joe said that the climb occurred today. All 3 antennas were installed successfully. The UHF antenna and the VHF transmit antenna were installed at the 500 foot level and the VHF receive antenna was installed at 700 feet. The feedlines to two of the antennas are in great shape. The feedline to the VHF antenna at 500 feet is okay for now, but may need to be replaced in the near future.

Joe said the membership will get a full update on the tower climb at the November meeting, including photos and video. Joe said it appears that the tower climb was a little under budget.

Joe thanked the membership for their support of the project.

Nominating Committee Chairman Tom Butas, KM4AEM, read the slate of candidates for the BOD elections, to be held at the November meeting:
President - Joe Plunk,
Vice President - Adam White,
Secretary - Perry Hayes,
Treasurer - Paul Broom,
Director of Programs - None,
Director of Meetings and Special Events - Josh Cunningham,
Director of Publications - Johnathan Urschel,
Director of Training - Jim Greer,
Repeater Trustee - Dan Fleek,
Immediate Past President - None.

Anyone interested in running for the position of Director of Programs should contact Tom.

Joe Plunk announced that Joe Lowenthal is stepping down as the Director of Training after 20 years of dedicated service. Joe Plunk said that he wanted to thank Joe Lowenthal for this amazing contribution to the club.

Joe Plunk said that he brought his DIY power supply to the meeting, as a follow-up to Adam's excellent presentation at the September meeting. He encouraged everyone to come up and look at the power supply during the break.

Joe announced that the 146.625 repeater in Germantown is back on line. The AllStar node may still be offline. Joe said that the plan is to eventually get the Germantown and Methodist North repeaters linked to AllStar.

After a short break, Joe Plunk introduced the evening's program. The club viewed a video produced by RATPAC (Radio Training Planning and Activities Committee) about the newest features, updates and security enhancements to Winlink. Winlink is a global radio messaging system that allows users to send and receive emails via amateur radio frequencies without the need for an active internet or cellular connection.

Director of Training Joe Lowenthal said that a General Class License Class is tentatively scheduled to begin on October 29th and meet on six Thursday nights, through December 10th. At least six students will need to register for the class to move forward.

Joe Plunk offered Joe Lowenthal a heartfelt thank-you for his many years of service as Director of Training. Joe Lowenthal estimated that 1,000 licenses have been earned as a result of Delta Club's training classes.

There being no further business, President Joe Plunk said he would entertain a motion to adjourn. Bill Hancock, WA4MJM, made the motion, which was seconded by Dr. Randy Redd, KQ4HJH. The motion passed unanimously.

President Joe Plunk adjourned the meeting at approximately 8:27pm.

The next regular membership meeting of the Delta Amateur Radio Club is scheduled for Tuesday, November 10, 2026 at First Evangelical Church, beginning at 7:00pm.

Respectfully submitted,
Perry Hayes, N4GJ
Secretary

Delta Ham License Training, 2026

Submitted by Joe Lowenthal, WA4OVO, Director of Training

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 2026 FROM DELTA CLASSES

10 Technician
1 General
5 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 Sixth Edition with question pool that becomes effective July 1, 2026 for four years. This is a new manual.

The current ARRL General Class License Manual is the Tenth Edition with question pool that became effective July 1, 2023 for four years.

The current ARRL Extra Class License Manual is the Thirteenth Edition with question pool that became effective July 1, 2024 for four years.

As of late 2019, expired Amateur Radio General, and Extra Class 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

None

All classes will be 3-1/4 to 4 hours long for six or seven sessions; one per week on a week night 6:15pm-9:30pm or Saturday day 9am-1pm.

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

The next Extra license class will probably start in early January 2027.

The next Technician license class will probably start in late February 2027

The next General license class will probably start in early November 2027

CURRENT CLASSES

General Class 4-26 – October 29 – December 10, 2026

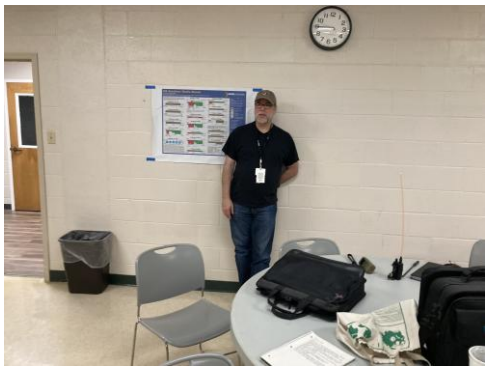
A General license class is being held on six Thursday nights on October 29, November 5,12,19, December 3 and 10. A new format is being used using Ham Radio Prep videos that each student views during the week and followed by a question and answer (Elmer) class session.

There are six students in the class: Joe KJ5NDB, Jeremy KR4WPA, Tim KQ4QFL, Mike KE4KCS, Samim KR4PCJ and Kevin KJ5REF.

The instructor Elmers are Jim W4JBG and Joe WA4OVO.

The class fee is $30. The students pay in person or online via the Delta Club Square link at https://delta-amateur-radio-club.square.site/
The last class on December 10th is an opportunity to take the FCC exam.


General Class 4-26 on November 5


Jim W4JBG instructing

PREVIOUS CLASSES

Tech Class 3-26 – July 13 – August 17, 2026

A Technician license class was held on six Monday nights. A new format was used using Ham Radio Prep videos that each student views during the week and a question and answer (Elmer) session was held on the following three Monday nights. The class fee was $30. The students paid in person or online via the Delta Club Square link at https://delta-amateur-radio-club.square.site/
The first class covered a local introduction and the first three HRP lessons. The first four classes were on July 13, 20, 27, August 3 from 7:00-9:00 pm. The instructor/Elmers were Jim W4JBG and Joe WA4OVO.


First class for Tech Class 3-26


Satellite demonstration by Rick WA4NVM

The fifth class (August 10 from 6:15-9:30 pm) was a review of the question pool and an opportunity to take the FCC Technician exam. Six students took the FCC exam. Congratulations to Ed Dixon KR4OJZ, Shane Greer KR4OIM, James Jones KR4OIN, Joshua Miser KR4OHV, Makoa Pereira KR4OJB and Laura Steward KR4OIT earning their Technician licenses.
The Laurel VE Team of Jim W4JBG, Perry N4GJ, Jeff AJ4GY, Don KZ4GJ and Joe WA4OVO were the VEs for the FCC exams.
The sixth class (August 17 from 6:15-9:30 pm) was equipment demonstrations on repeater basics by Joe WA4OVO, APRS by Rick KJ4NWQ, satellites by Rick WA4NVM and digital basics (DStar, Fusion, and DMR) by John KN4BVH. Echolink was covered by Joe WA4OVO. The location was at First Evangelical Church.

Tech Class 2-26 – February 23 – April 20, 2026

A Technician license class was held on six Monday nights from 6:15-9:30pm on February 23, March 2, 16, 23, 30 and April 20. The first four classes were Zoom while the 5th and 6th classes were in person. The 5th class was a review of the 399 questions of the question pool and to take the FCC exam. There were 13 students in the first class. Four students completed the class. Congratulations to Rebecca KR4KNE , now N4BEX, who earned Tech and General at the Delta Club test session on March 10th. Congratulations to Dylan KR4LCK, Perry KJ4PJE and Laura KJ5PJG on earning their Technician licenses.

The instructors were Bobby KD5BS, Paul KY4MX, John KN4BVH, Perry N4GJ, Paul KA4X, Don KZ4GJ and Joe WA4OVO.



Rick WA4NVM contacting Patrick WD9EWK on SO-50



Rick KJ4NWQ presenting APRS

The equipment demonstrators during the sixth class were Rick Tillman WA4NVM and Richard Martin K4DXF on satellites; Rick Pellicciotti KJ4NWQ on APRS; and Joe Lowenthal WA4OVO on repeater basics and digital basics of D-STAR, Fusion, DMR, and Echolink.

Extra Class 1-26 – January 3 – February 21, 2026

An Extra Class license class was held via Zoom on 5 Saturdays from 9:00am to 1:00pm on January 3,10, 31, February 7 and 14. There was not a class on January 17 and 24th to allow the students and presenters to participate in Swamp Stompers and Winter Field Day. Ten students started the class: Gary KC1OXM, Michael KQ4QLJ, Tim KQ4FBF, Larry KQ4DFU, Barry KC4SVR, Rajesh KR4CPZ, Raul, Jim KC1VAS, William KQ4UEO, Barbara KA5CFB and Johnathan KO4WAQ. Six students completed the class. The instructors were Don KZ4GJ, David KY4FH, Josh KQ4IOS, Dave AD4Q, Paul KA4X, Carolyn KX4QF, Bobby KD5BS, John KN4BVH and Joe WA4OVO.

Congratulations to Larry KQ4DFU who passed his Extra exam at the Delta Club FCC test session on January 13th. Congratulations to Johnathan KO4WAQ and Rajesh KR4CPZ (now NA4AH) on upgrading to Extra at the in-person FCC exam on Saturday, February 21st at Germantown Fire Station #4. The Delta Club ARRL VEC team provided the FCC test session. Congratulations to Jim KC1VAS who upgraded on March 7th at his Port City ARC test session.

Congratulations to Barbara Simpson, KA5CFB, who upgraded to Extra at the September 8, 2026 Delta Club test session.

General Class 4-25 – November 3 – December 8, 2025

An in-person General license class was held on five Monday nights November 3, 17, 24, December 1 and 8 from 6:15-9:30pm. The 5th class was an opportunity to take the FCC exam. The classes were held at the Memphis Police Department Appling Farms training room, 6850 Appling Farms Parkway.

Eight students started the class. The following six students upgraded to General: John KQ4UIC, Dexter KJ5HMT, Michael KJ5MKR, Patrick KJ5MKS, Rajesh KR4CPZ and Danny KR4CVH.



John KN4BVH on Safety



Carolyn KX4QF on Antennas



Paul KY4MX on Rules & Regulations



Randall KY4MY on Equipment

The instructors were Steve KK4VPT, Perry N4GJ, Josh KQ4IOS, Bobby KD4BS, Carolyn KX4QF, John KN4BVH, Paul KY4MX, Randall KY4MY and Joe WA4OVO.

The Delta Club ARRL VE Team provided the December 8, 2025 FCC test session.

Previous Months' and Nice to Know Information

How to Print Your FCC License

1. Go to **https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp**
2. Enter your FCC Registration Number (FRN) and Password and click on Submit.

A. If you do not know your FRN, go to License Search
https://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp

B. B. Under License Search in the center of the page, to the right of By Call Sign, enter your callsign and click on Search. (Your FRN is in the center of the page.)

C. If you do not know your Password, click on Contact Tech Support after Forgot your Password?

3. When My License screen comes up, go to the green shaded box with Download your official authorization here. Click on here.
4. Under Download Authorizations screen, highlight your callsign in the My Authorization area at the bottom.
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 the screen. (If pop-ups are blocked, click on Allow One.)
7. Click on the printer icon to print your License.
8. Sign your license.

INDIVIDUAL EMAIL ADDRESS IN QRZ

Submitted by Joe Lowenthal, WA4OVO

Consider going to https://www.qrz.com and log in. Then enter your email address on QRZ page so other hams can contact you via 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. If you go by your middle name or a nickname, you can add a Nickname. After signing in to QRZ, hover over your callsign. Click on Edit (CALLSIGN). Click on Update the basic name. Go to Nickname. Enter your nickname. Go to bottom of page.

ARRL Benefits

ARRL membership includes digital access to QST, On the Air, QEX, and National Contest Journal, plus access to the ARRL Technical Information Service and other member resources. Visit www.arrl.org/join/WE1 or call 1-888-277-5289 in the United States (Monday–Friday, 8 a.m.–5 p.m. ET); international members may call 860-594-0338.

Coming soon: ARRL is creating a new online membership form that will let new and renewing members select a participating affiliated club to receive commission credit. The club commission will be $20 for new members and $10 for renewals.

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

2026 Board of Directors

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Immediate Past President
VACANT

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Club Historian
VACANT

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.

Upcoming Events

November 2026–April 2027

Date	Time	Event / Location
November 10	6:00p / 7:00p	Tech Support HAM 101; membership meeting — board elections, Jeopardy, and door prizes
November 12, 19		General Class 4-26 — Elmer sessions
November 20	Noon ET	ARRL Delta Division online voting closes
December 1	6:30p	DARC board meeting — Zoom
December 3, 10		General Class 4-26; FCC exam opportunity December 10
December 8	7:00p	DARC Christmas dinner, potluck, and social gathering
January 23–24, 2027	Proposed camp	Winter Field Day — Meeman-Shelby Forest State Park; contact programs@deltaclub.org if interested
January 2027	Details pending	Swamp Stompers — club communications support opportunity
Early February 2027	Tentative	Covington High School ARISS contact; club technical support
April 3, 2027		Radio Active Mid-South Expo — Agricenter

For additional events, visit https://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)	443.200	+(107.2)	8:00p	Daily
Drive Time Chatter	146.850	-600hz no PL tone	6:30a-7:45a and 4:45p-5:45p	Daily
Drive Time Chatter	443.200	+5MHz, +(107.2)	6:30a-7:45a and 4:45p-5:45p	Daily
Elmer Net	147.030	+ (107.2)	8:30p	Sunday
Desoto County EMA	146.910	+ (107.2)	8:30p	Monday
MedMERS Net	146.820	- (107.2)	12:00p	Wednesday
Midsouth DMR Net	DMR – TG31471		9:00p	Wednesday
Crowley's Ridge ARC	147.150	+ (107.2)	8:30p	Wednesday
Crowley's Ridge ARC	145.450	+ (107.2)	8:30p	Wednesday
Tipton ARS	145.490	+ (100.0)	7:30p	Thursday
Olive Branch ARC	147.255	+ (79.9)	8:30p	Thursday
OBARC Linked	444.700	+ (107.2)	8:30p	Thursday
ARES Training Net	146.850	- (107.2)	9:00p	Thursday
TN Statewide DMR Net	DMR – TG3147		8:00p	Friday
Four-Forty Net	443.200	+ (107.2)	8:30p	Friday
Neshoba Club Info Net	146.625	- (107.2)	8:30p	4th Monday

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



