

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 44 * September 2019



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}

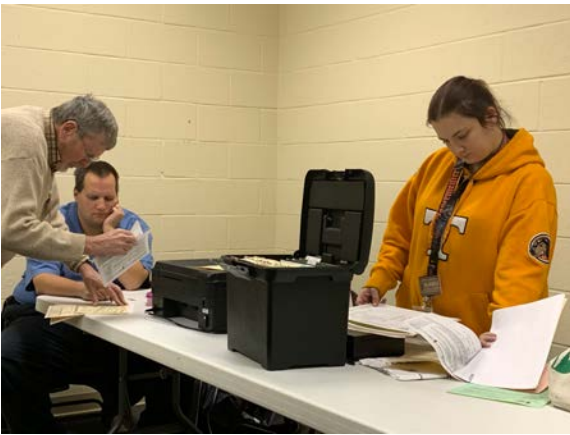
224.420^{-107.2}

144.390 Digipeater *Fusion

This month's meeting begins at 7 pm on September 10, 2019, at Ellendale Church of Christ, 7365 Highway 70 Memphis, TN (1 ½ miles north of Highway 64 (Stage Road)).

Program: **Weak signal QSOs with FT8**

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) if one has been issued. Please be on time for registration to allow our Volunteer Examiner (VE) team to complete their work prior to the club meeting. The 2019 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.

VE testing on 8/13/2019 produced two new **techs**: Tim Carroll and Joe Avery!
Ron Teofan earned his **general**!

President's Corner

Submitted by Steve Frazier, KK4VPT

Greetings from the Gold Strike Casino in Tunica, MS

Most of you may know why I am in Tunica; for those of you that don't, let me explain.

I am one of several from Delta Club that started our day before 6:30 this morning to support the MS Rockin' Ride 2019 by doing the communications again this year. We will support them again tomorrow on the ride back to the Landers Center in Southaven, MS. This is just one of several events we do each year and they are all only possible with your help. Our next event is the Bluff City Blues bike ride on Saturday October 5th. If you are involved with any events that could benefit from our support, let a Board member know and we will see what we can do to help.

Another time that we need your help is as a member of the leadership of the club. Yes, election time is just around the corner. If you would like to add your name to the ballot in November, there are only two basic requirements: 1) you must be a club member, and 2) you must have attended at least six club meetings in twelve months. All positions are open for election every year - all 8 positions. So if there is a position you are interested in doing, just contact any current Board member.

Don't forget to check into the net that we have every night at 8pm on the 146.82 repeater. The only night we don't have the net is the 2nd Tuesday of the month and that is when we look forward to seeing you at the monthly meeting.

73

Steve Frazier

KK4VPT

<p style="text-align: center;">Treasurer's Report Submitted by David Jackson KM4SEC</p>
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Please RENEW your Delta membership right away, so you won't forget about it! Download the new member or renewal form: <http://deltaclub.org/documents/application-15-3.pdf> Membership for one is \$20 or family is \$25. You can fill out the form online and email to David Jackson KM4SEC. davidjackson@bellsouth.net

If you prefer you can print the form and bring the completed form, along with the membership fee to any meeting.

DARC Treasurer's Report
08/31/2019

Submitted by H. David Jackson, club treasurer

Checking Account:

08/01/2019, Beginning balance:	\$14,643.25
6-deposits:	
2019 membership:	\$205.00
Field Day food club reimbursement:	\$337.80
Huntsville bus:	\$100.00
Huntsville estate sales:	\$947.00
Total of deposits:	\$1,589.80 \$16,233.05
6-checks:	
Huntsville charter bus:	(\$1,649.00)
ARRL equipment insurance:	(\$218.72)
Tip Huntsville bus driver:	(\$75.00)
Admission to Huntville:	(\$270.00)
ARRL Memorial for David Campbell:	(\$100.00)
Christmas door prizes:	(\$43.90)
Total of checks:	(\$2,356.62)
Ending balance:	\$13,876.43

Club's Certificate of Deposits

CD-0028: interest rate: 1.590%. YTD. Interest: \$82.17. Maturity date: 10/19/2019. Balance: \$10,405.25

CD-8041: interest rate: 2.230%. YTD. Interest: \$179.37. Maturity date: 01/14/2019. Balance: \$10,844.70

DARC Board of Directors Meeting Minutes

Submitted by Mary Jean Hall KN4FBL

September 3, 2019, submitted by Mary Jean Hall KN4FBL

Attendees: Steve Frazier KK4VPT, Bob Van Keuren KM4SEB, Mary Jean Hall KN4FBL, David Jackson KM4SEC, Joe Lowenthal WA4OVO, Bob Vawter KW4RJ, Ian Lucas KN4OEK, Scott Adams KM4PMU and Barry McDonald W5CJ.

Absent: Len Grice W4MKS

Steve F. called the meeting to order at 6:33 p.m. at the Ellendale Church of Christ.

The board discussed the review of memberships per the club's bylaws.

David J. read the Treasurer's Report. Everything is currently balanced. He passed around a letter from ARRL acknowledging the club's donation, which was \$100 to the Education Fund, in memory of David Campbell KD4NOQ.

Barry M. discussed repeater equipment and backup options with the board. He also said that the new antenna for the .82 repeater has arrived and is awaiting installation. Bob V. brought up some options for replacing the website hosting server since the club's current option will be ending in December. Ian L. said that the September program will cover FT8.

Joe L. said that he was successful in obtaining a new 10x20 foot tent for the club to use at community events. The other tent is still usable for shade, but not for use during rain since it has holes in it. He updated the board on the Huntsville Hamfest turnout. Joe said that he is working on holding a General class this fall to be held on November 7, 14 and 21, and then December 5, 12 and 19. He is also working on holding an Extra class in January.

Mary Jean H. inquired about the best process for printing the W4M event QSL cards. Bob V.K. discussed the hospital exercise on September 26 that ARES was assisting with. David J. asked for recommendations for prizes to be given away at the club's November meeting.

Barry M. let the board know that there is currently a promotion for clubs with a Yaesu DR-1X repeater to upgrade to the DR-2X for \$550. The board discussed the pros of cons of participating and decided to think on it until a later meeting since the opportunity was good through the end of 2019.

Barry M. made a motion to adjourn. Without objection, Steve F. adjourned the meeting at 8:26 p.m. The next Board of Directors meeting is scheduled for Tuesday, October 1, 2019 at 6:30 p.m. at Ellendale Church of Christ.

Minutes of Last Month's Club Meeting
Submitted by Mary Jean Hall KN4FBL

DARC Meeting Minutes for August 13, 2019

Call to Order and Opening Remarks

Club President Steve Frazier KK4VPT called the meeting to order at 7:00 p.m. at the Ellendale Church of Christ and welcomed everyone to the meeting. Everyone then introduced themselves by name and call sign. 49 members and six guests were present for the meeting.

MS 150

Darrell Sheffield KK4D announced that the MS150 race will be September 7-8, a Saturday and Sunday. He is looking for about 20-25 volunteers to help at the seven or eight rest stops and ride in the supply and gear (SAG) trucks. Interested hams can volunteer for either or both days. The lunch stop will be at the courthouse in Hernando, MS. Newer hams can pair up with more experienced hams at a rest stop. He will pass a signup sheet around, but you can also contact him at 277-8122 or Darrell.Sheffield@memphistn.gov.

Announcements

Marlin Mogy KM4DPP announced that the Irreverent Warriors are hosting a Silkies Hike on September 14, 2019 at 8:00 am and they are inviting volunteers and participants to join.

Training

Joe Lowenthal WA4OVO said that the Technician Class finished last night. Last week, all 11 of his students who tested passed the exam, with two making General. He expressed appreciation for everyone who helped out with instructing. The next class will likely be a General Class starting in early November.

Huntsville Hamfest

Joe Lowenthal WA4OVO said that it is not too late to sign up for a seat on the bust to the Huntsville Hamfest this Saturday, August 17. The price is \$70 and you can sign up with Joe. Checks can be made to "Delta Amateur Radio Club." Steve Frazier KK4VPT let everyone know that the seminar list for the Huntsville Hamfest is already online at www.hamfest.org. Joe will send out the parking logistics in an email this week.

Bluff City Blues Bike Ride

Ken Laseter KI4AOH announced that the Bluff City Blues coordinators have already reached out requesting help from amateur radio operators for the Bluff City Blues Bike Ride on Saturday, October 5, 2019. The riders will travel along a 100-mile course, spanning from

Watkins/Hwy. 51 and looping up through Tipton County in the Garland area. They will have eight rest stations and SAG vehicles that will need to have communications. He will bring a signup sheet to the meeting next month.

VE Testing

Bob Vawter KW4RJ said that three people passed the Technician exam tonight and one of those was grandfathered into a General license.

Announcements

Ken Laseter KI4AOH reminded everyone that details about the MS-150 and the Bluff City Blues Bike Ride are in this month's edition of Sparks. Steve Frazier KK4VPT announced that he had printed a map and schedule of the Huntsville Hamfest activities, and anyone can pick one up at the front table.

Secretary's and Treasurer's Reports

Dan Wehner KN4FBJ moved to approve the previous meeting's minutes and the Treasurer's Report as published in Sparks. Ned Savage KA4BLL seconded the motion. The minutes and the Treasurer's Report were unanimously approved by the club.

Break/Presentation

Steve Frazier KK4VPT called for a break from 7:26 p.m. to 7:34 p.m. Steve F. let everyone know that, in case they had not heard yet, St. Jude was not requesting any communication volunteers from the ham community this year. He recognized Roger Schlichter WR4R for coordinating the St. Jude Memphis Marathon's amateur radio operator volunteers for the past 12 years.

Ed Taggard K7EDT took a moment to let everyone know that the time has come for him to move back to Arizona, and he thanked everyone in the Delta Amateur Radio Club for the comradery while he was here. "As a visitor here, you've made me feel welcome," Ed said. "Keep up the things you do in the ham community."

Scott Fletcher KM4RT led this month's program about wind effect on antennas and the engineering aspects of wind.

Closing Remarks

With no objection, Steve Frazier KK4VPT adjourned the meeting at 8:15 p.m. The next Delta Amateur Radio Club meeting will be Tuesday, September 10, 2019 at 7 p.m. at the Ellendale Church of Christ.

PUBLIC SERVICE EVENTS COMING UP
by Joe Lowenthal WA4OVO

The Delta Club has two public service events coming up in the next two months on September 7&8 and October 5th. The coordinators would love some help.

The **MS-150 Bike Ride** is September 7-8 starting at Southaven Landers Center and going to Tunica Gold Strike Casino on Saturday with return on Sunday to Landers Center. At the end on Sunday is usually a BBQ lunch. Hams provide communications for the 7 or 8 rest stops and the 5 to 7 SAG (supply & gear) trucks. There is net control on both days. Darrell Sheffield KK4D (Darrell.Sheffield@memphistn.gov 277-8122) is looking for ham volunteers for either day or both days. If you work both days and ride in a SAG truck, Darrell has been able to have double occupancy rooms for the Saturday night stay at Gold Strike. If you do stay, there is a free dinner banquet Saturday night and breakfast Sunday morning. Darrell plans to use the 146.91 Hernando repeater (-600kHz offset, 107.2 tone)

The **Bluff City Blues Bike Ride** on October 5th is sponsored by the Memhis Hightailers Club. Ken Laseter KI4AOH (kenlaseter@gmail.com or 901-487-9103) is the coordinator. Hams will be at rest stops and provide SAG communications. The ride has four different routes: a 20 mile, a 40 mile, a 100K (62 mile), and a 100 mile with an after party of BBQ and blues. The frequency to be used will be the 146.82 repeater with 145.49 (-600kHz offset, pl 100.0 tone) repeater as alternate. The ride starts at Cooks Lake at 4249 North Watkins going north through Shelby Forest into Tipton County for the two longest route. The after party will be at Cooks Lake. The information and map routes are at www.bcb100.com

Huntsville Hamfest 2019
by Joe Lowenthal WA4OVO

A bus load of hams went to the Huntsville Hamfest on August 17th along with gear the club had obtained from several estates. We had table 312 to attract the hundreds of buyers at the hamfest.



Arrival at the Von Braun Center South Hall loading dock

Photo by Mishone



Table 312 with the sellers Steve KK4VPT, Joe WA4OVO and Scott KM4PMU
Photo by Ed Taggard K7EDT



Huntsville Hamfest crowd waiting for the Grand Prize drawing on Saturday
Photo by Joe Lowenthal WA4OVO

Delta Ham License Training, 2019

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.

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 2019 from Delta Classes

30 Technician

5 General

6 Extra

Note:

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 Eighth Edition with question pool that became effective July 1, 2015 for four years.

The current ARRL Extra Class License Manual is the Eleventh Edition with question pool that became effective July 1, 2016 for four years.

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

If you know anyone interested in a class, send an email to wa4ovo@gmail.com with the Subject Line for the class they want and name, email address and cellphone number in the text. If a ham, add callsign to the text.

PROPOSED

A General Class license class will probably start in early November.

An Extra Class license class will probably start in early January 2020.

A Technician license class will probably start in late February.

All classes will be six sessions; one per week.

SCHEDULED CLASSES

None at this time

COMPLETED CLASSES

Tech Class 3-19 – July 8 - August 12, 2019

Tech Class 3-19 is being held on six Monday nights from July 8th thru August 12th from 6:15-9:30pm The location is at the Germantown Police Department training room, 1930 South Germantown Road. Eleven students originally registered for the class, two more became students, and two resigned. So, eleven students completed the class. There was one ham who audited the class.



Entrance at Germantown Police Department for Tech Class 3-19
Photo by Joe Lowenthal WA4OVO

Congratulations to Rodney Adams KN4WGV, Daniel BriecK KN4WGW, Robert Broom KN4WGX, David Cary KN4WGY, Jim Dollar KN4WGZ, Joshua Foster KN4WHA, Vicky Gamber KN4WHB, Lauren MartinWHC, Matthew Massey KI5FYA, Jonathan Pesce KN4WHD, and Thomas Strawn KN4WKF who earned their Technician licenses.

Congratulations also to Robert Broom and David Cary who also earned their General licenses, as well as, Mary Jean Hall KN4FBL who upgraded to General. Six more of the students tried for General but did not pass.

The instructors were Joe WA4OVO, Paul KA9VAU, Pat W4OQG, John KN4BVH, Perry N4GJ, and Len W4MKS. Barry W5CJ presented Echolink and Allstar information. John KN4BVH demoed DMR with information on D-Star and Fusion. On Monday, August 12th there was equipment demonstrations. Joe WA4OVO and John KN4BVH provided repeater basics and a CHIRP demo. The students checked into the Delta Net. Rick WA4NVM and Richard K4DXF made a live SO-50 satellite contact while Rick KJ4NWQ informed on APRS. Pat W4OQG showed off the non-FM side of ham radio with his Kenwood TS-2000 HF SSB setup with a long wire and talked about MARS.



Tech Class 3-19

Photo by Joe Lowenthal WA4OVO

The Laurel VE team of Joe WA4OVO, Bill WC9S, Jelly N4HLT, David W4DWW, Karen AG4CC, Barry W5CJ, Len W4MKS and Perry N4GJ administered the 20 exams.

Tech Class 2-19 – February 21-March 28, 2019

Tech Class 2-19 was held on six Thursday nights from February 21 thru March 28th. The location was the Germantown Police Department training room, 1930 South Germantown Road. Sixteen students signed up for the class with thirteen attending the first class and a self-study Tech auditing the class. Eight students earned their ham radio licenses.

Congratulations to Chuck Chow KN4TMR, Al Dyer KN4TMQ, Brian Hagood KN4TME, Andrew Humphreys KN4TMG, Thomas Humphreys KN4TMF, Bryan Parker KN4TMH, Mark Parrish KN4TMO, and Bob Stroud KI5DWP who earned their Technician licenses. Chuck also earned his General Class license. Since the class Chuck has upgraded to Extra as KX4RE. Congratulations to Tom Thibeault KN4SLP who audited the class and upgraded to General. Two others will test at a later date.

Thanks to the Laurel VEC team of Bill WC9S, Barry W5CJ, David KV4QI, Len W4MKS and Joe WA4OVO for providing the FCC test session.

Demonstrations were given on March 28th. John KN4BVH previewed DMR, Fusion, and Echolink. Joe WA4OVO instructed on programming FM radios and APRS while Pat W4OQG showed off HF and long wire antenna. Rick WA4NVM and Richard K4DXF made a satellite contact.

Tech Class 2-19 taking their FCC exam.

Photo by Joe Lowenthal WA4OVO

Tech Review for CBU February 20, 2019

A Tech Review class was held on February 20th for 11 Christian Brothers University students in the second Engineering Department upper division elective course, Introduction to Unmanned Aerial Systems. All 11 students earned their Technician license. The students were either Electrical, Mechanical or Computer Engineering majors. Dr. Eric Welch WD5FTA is the professor. He is Department Chair of Electrical and Computer Engineering. The Laurel VE Team of Dr. Welch WD5FTA, Joe Lowenthal WA4OVO, Bill Stevens WC9S, Barry McDonald W5CJ and Len Grice W4MKS administered the FCC test session

Extra Class 1-19 January 5 – February 16, 2019

Extra Class 1-19 began on January 5th through February 16th excluding January 26th (Jackson MS Hamfest) on six Saturdays from 9am-1pm at the Memphis Police Department Northeast Precinct, Appling Farms Station, at 6850 Appling Farms Parkway. Nine students began with seven completing the class.

Congratulations to Steve Evans KM4VYA, Carolyn Horne KX4QF, Jerry Kirkscey KX4QE, Robert Murry KN4OEF, and Bob Waters KN4PDW for earning their Extra Class license at the class ARRL FCC test session. Congratulations to Jim Martin KD4FUU who upgraded at the

Delta Club test session on April 9th. The Delta Club VE Team of Jeff Krause AJ4GY, Joe Lowenthal WA4OVO, Barry McDonald W5CJ, Bill Stevens WC9S, and David Webb KV4QI provided the FCC test session on February 16th.

Extra Class 1-19 from l to r: Jerry KX4QE, lead instructor Joe WA4OVO, Carolyn KX4QF, Scott KM4PMU, Robert KN4OEF, and Bob KN4PDW
Photo by David Webb KV4QI

General Class 4-18 November 1 – December 13, 2018

General Class 4-18 was held from 6:15-9:30 on six Thursday nights from November 1st to December 13th excluding November 22nd at EMHC Ambulance Company training room, 6972 Appling Farms Parkway. Fourteen students began the class. Ten students finished the class with six upgrading to General Class.

Congratulations to Steve Beale KM4AEO, Carrie Blackwell KN4LCU, Bill Johnsen KM4VXW, Jim Martin KD4FUU, Robert Murry KN4OEF, and Bob Waters KN4PDW. I'm sure the other four will get their upgrade soon. Also testing during the class test session, congratulations to William Womble KI4CRC for earning his Technician license and Rick Armstrong KN4IKP and Carolyn Horne KN4QNV for upgrading to General.

The instructors were Joe Lowenthal WA4OVO, Pat Lane W4OQG, Len Grice W4MKS, Barry McDonald W5CJ, Perry Hayes N4PSH and John Reiners KN4BVH. The Delta Club VE team led by Jeff Krause AJ4GY provided the FCC testing session at 7pm on December 13th. Thanks also to Ham W4GMM, Stacy Krause KJ4MDA, Joe Lowenthal WA4OVO, Barry McDonald W5CJ, Bill Stevens WC9S and Tom Ungren KK4ZZZ

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.
9. Print your License.

USE OF CELLPHONE WHILE DRIVING

As of July 1st, it is against the law to hold a cellphone while driving. However, amateur (ham) radio is exempted per the below paragraph 1(a)3 of State of Tennessee House Bill 164. It might be wise to carry a copy of this document and a copy of your amateur radio license in case you get stopped by police and they are not aware of the exemption.

"Wireless telecommunications device" means a cellular telephone, a portable telephone, a text-messaging device, a personal digital assistant, a stand-alone computer, a global positioning system receiver, or substantially similar portable wireless device that is used to initiate or receive communication, information, or data. "Wireless telecommunications device" **does not include** a radio, citizens band radio, citizens band radio hybrid, commercial two-way radio communication device or its functional equivalent, subscription-based emergency communication device, prescribed medical device, **amateur or ham radio device**, or in-vehicle security, navigation, autonomous technology or remote diagnostics system.

<https://www.handsfreetn.com/files/pc0412.pdf?fbclid=IwAR3vZvmm5nPLyCeZg1gqUkgL0EaltPBt3sX9XSUpYpyFARjnYNuRu3fNbtU>

Here are the two weather service websites I spoke of in the ARES meeting.

preview.weather.gov/edd

<https://www.arcgis.com/apps/MapSeries/index.html?appid=5dfbf1be13b74f1097a93cd954a3c4f8>

Joe WA4OVO

HQ 101

Submitted by Ham Hilliard W4GMM

HQ 101 is for new hams, old hams, and hams that want to know more about their hobby. This class is for you and I need to know what you want to learn about, so if you have a subject you are curious about let me know and if there is enough interest I will offer it one month. Email me at w4gmm@bellsouth.net.

Ham Hilliard W4GMM **September's Ham 101** will cover "What kind of antenna do I need and how can I fit it on my property?"

Ham 101 meetings are upstairs above the Delta club meeting hall beginning at 5:30 pm just before the Delta club meeting.

Amateur Hardware Update
Submitted by James Butler, KB4LJV

Many times when we put up our wire antenna we need insulators. Good insulators are made not



only to insulate the antenna from other objects but to also be very weather resistant and strong to handle winds. Ebay continues to have a good assortment of insulators for wire antennas. They have ceramic and plastic versions in a variety of different shapes and sizes. These along with a center insulators allow you to design and build dipoles and other types of wire antenna for the amateur bands. Check Ebay for all the antenna insulators and center insulators available. Search for “dipole insulators” at

<https://www.ebay.com/>



Amateur Packet Update
Submitted by James Butler, KB4LJV

The ARRL has a series of books for the amateur who likes to build up projects and experiment. These projects will allow you to expand your electronics training by building projects and doing experiments relating to amateur radio. Projects include transmission lines, oscillators, filters , along with semiconductor basic projects. They have a volume 1 and volume 2 combined book along with a new volume 3 project book. If you like to experiment and build projects check these out from the ARRL. The web address is <https://www.arrl.org/shop/ARRL-s-Hands-On-Radio-Experiments-Volume-1-and-2/>

YL Information

Submitted by Linda KJ4CTX

YL NET – CONGRATULATIONS YL's we are celebrating three years on the air this Labor Day weekend! It was suggested back in 2016 that we might want to reconsider starting the YL Net on Labor Day weekend, but we decided Labor Day weekend was the perfect time to start the YL Net and here we are three years later going strong! Thank you to all the YL's that check-in and support the net from week to week and a very special thank you to all the net control operators who devote their time to calling the net and making it a success. We would also like to thank all of the OM's that support us each week. Without each of you supporting us there would not be a YL Net.

Please join us each Saturday night at 8:45 p.m. on the 146.820 repeater for the YL Net. We enjoy hearing from you.

YL LUNCHEON – COME JOIN US! We took a break over the summer but are excited to be starting our luncheons back September 21, 2019 as follows:

Saturday

September 21, 2019

11:30 a.m.

The Flying Saucer

1400 N. Germantown Parkway

Suite 114

901 755-5530

Flying Saucer is located at the far end of the strip of businesses next to Danvers on Germantown Parkway. This is a new location for the luncheon, but we know they serve excellent food and the staff is friendly. This will be a fun day catching up on what everyone has been doing over the summer months. Please come join in the fun. We need to make sure they reserve a table for us so please RSVP to Linda Laseter 901 268-1766 or lindalaseter@gmail.com.

In Memory of
David Campbell KD4NOQ, Silent Key



Pictured is David Campbell KD4NOQ at a Delta Club meeting sometime in 2018. David was an Elmer to many and always liked to share information about his ham radio hobby! He was plagued with health problems for many years, but always seemed to persist. We all miss his deep bass voice on the 82 net, frequently announcing an ISS pass!

The Delta Amateur Radio Club donated \$100 to the ARRL in David's memory. Below is a copy of the letter the ARRL sent to us in reply to the donation.



ARRL The national association for
AMATEUR RADIO[®]
 Advancing the art, science, and enjoyment of Amateur Radio

- ADVOCACY
- MEMBERSHIP
- PUBLIC SERVICE
- EDUCATION
- TECHNOLOGY

August 23, 2019

Delta Amateur Radio Club
 PO Box 342768
 Memphis, TN 38184

Dear Friends:

On behalf of the American Radio Relay League, thank you for your memorial contribution of \$100.00 to the Education and Technology Fund in memory of David R. Campbell, KD4NOQ. Your contribution honoring Mr. Campbell is a fitting tribute in his memory. We will notify Stephen Campbell, KE4LUR as you requested.

Your support through your memorial donations helps ensure that ARRL will be able to explore new services and respond to changes in technology and provides resources necessary for us to take on projects important to the future of Amateur Radio.

The work of ARRL – to promote Amateur Radio, to secure its future for all hams and their communities, to provide public service, including vital emergency communications training to protect our communities in times of disaster and crisis, and to educate the next generation in the fascinating world of Amateur Radio – will continue thanks to your generosity.

Sincerely,

Diane Middleton, W2DLM
 Chief Financial Officer

ARRL is an IRS-designated 501(c) (3) organization holding federal tax identification # 06-6000004. Accordingly, your contribution may be tax deductible to the extent allowed by law. No goods or services have been provided for this contribution.

- **Rick Roderick, K5UR**
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- **Gregory P. Widin, KØGW**
First Vice President
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Treasurer

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AMERICAN RADIO RELAY LEAGUE, INC.

SPARKS Newsletter & 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>.

2019 Board of Directors

President

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

Vice President

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Secretary

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901-356-1475

Treasurer

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901-573-6280

Repeater Trustee

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W5CJ@ARRL.NET
901-853-0510

Public Information Officer

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

Immediate Past President

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

ARES
Amateur Radio Emergency Service
Emergency Coordinator (EC) - John Reiners KN4BVH

If you are interested in joining Shelby County ARES, complete an application at www.tnares.com. Click (do not pull down) on INFORMATION on the top right of the page. Then, go to TN ARES Membership and Appointment Application Forms and then click on ARES Membership Application: FSD-98. Complete the form and click on Submit at the bottom. You should get an acknowledgement soon after submitting.

Public Service Events

If you are a coordinator for any of these events, please review the listed information. Please email corrections or additions to vawter.bob@gmail.com.

2019 Date	Event	Contact Information
Jan. 20	Swamp Stompers 50K/25K Run	Ken Laseter KI4AOH
May 12	MARS contacts	
June 22-23	Field Day @ Morgan Woods Park, G'town	
Sep 7-8	MS 150 Bike Ride	Darrell Sheffield KK4D
Oct 5	Bluff City Blues Bike Ride	Ken Laseter KI4AOH

Hamfests in the Southeast area

2019

January 25-26	Capitol City Hamfest in Jackson, MS
February 8-10	HamCation 2019 in Orlando, FL
February 16	LCARC's 2019 Winterfest in Hoxie, AR
March 1-2	BirmingHamfest 2019 in Birmingham, AL
March 9	MTARS Hamfest Tullahoma, TN
March 23	Ides of March Hamfest in Union City, TN
March 30-31	April Fool Hamfest in Corinth, MS
April 13	Memphis FreeFest in Bartlett, TN
May 17-19	Hamvention in Xenia, OH

July 27
August 17-18
October 18-19

~~Greater Nashville & Middle TN HamQuest in Lebanon, TN~~
~~Huntsville Hamfest in Huntsville, AL~~
Hamfest Chattanooga in Chattanooga, TN

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 link below is for information and instructions about Tennessee ham radio call sign Emergency/Safety automobile license plates:

<https://www.tn.gov/revenue/title-and-registration/license-plates/available-license-plates/emergency-safety.html>

The application can be found at this link:

<https://www.tn.gov/content/dam/tn/revenue/documents/forms/titlereg/f1312601Fill-in.pdf>

The following link from the Tennessee Department of Revenue

<https://www.tn.gov/revenue/title-and-registration/license-plates/available-license-plates/emergency-safety.html> has the Amateur Radio auto tag information.

Memphis Area VHF/UHF Nets

Updated January, 2018

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
Mid-South Bullfrog Net	146.535	[simplex]	7:30p	Daily
Elmer Net	145.210	- (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

TENNESSEE HF NETS

As of January 2019
All times are Central Time

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 & 6:30 PM

Saturday - 8:00 AM & 6:30 PM

Sunday - 8:00 AM only

Holidays - 8:00 AM only

Used equipment for sale

Please ONLY contact the person offering the equipment.

If you are a Delta Club member and would like to advertise equipment you have for sale, please email Bob. My email address is vawter.bob@gmail.com.

DELTA CLUB ADVERTISEMENTS



MID-SOUTH AMATEUR RADIO SUPPLY (MSARS)

6631 Vallendar Cv., Bartlett, Tennessee 38135

tel: 901-371-9700 • fax: 901-266-3374 • web: www.msars.com

CURRENTLY STOCKING

Antennas	Antenna Mounts	Connectors	Coax & Cable
HT	Magnet	UHF	RG-213
Mobile	Trunk Lip	"N"	RG-8/U Mini
Base Station	Roof Mount	SMA	RG-58
HF	Window Mount	BNC	450 & 300 Ohm
Wire	Swivel Ball	RCA	Rotor Cable

LDG Electronics	Accessories	Miscellaneous
Automatic Antenna Tuners	RF Chokes	Gordon West Books
Remote Tuners	Power Poles	Coax Seal
Brand Specific Antenna Tuners	Antenna Switches	Fuse Holders
Baluns	SWR/Power Meters	Remote Tuner Boxes
Ununs	Mic Holders	Dog Bone Insulators

**Owners/
Operators**

**Steve
W5VAA**

**Rosalinda
WN2V**

**Ham
W4GMM**

Mid-South Amateur Radio Supply, (MSARS.COM) is owned and operated by local hams who are dedicated to promoting the hobby and providing help to anyone interested in ham radio. We actively support the local amateur radio clubs and are ARRL members.

MSARS offers free antenna building classes each year and help many new hams with guidance on their first radio, setting up a ham shack, programming a radio and much more. We are proud to be a part of the ham radio community and are *here to help you*.



Joe Miller
Owner

Chick-fil-A Paragon Place
6282 Poplar Avenue
At Poplar and Massey
Memphis, TN 38119
W - 901.766.1875
C - 901.230.3043
Joe.Miller@cfafranchisee.com
chick-fil-a.com

Advertisement forms can be downloaded

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)

*from our website –
<http://deltaclub.org/aboutUs.html>*