

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 43 * August 2019



Delta Amateur Radio Club (DARC)

Sparks Newsletter

Website: <http://deltaclub.org>

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

W4BS

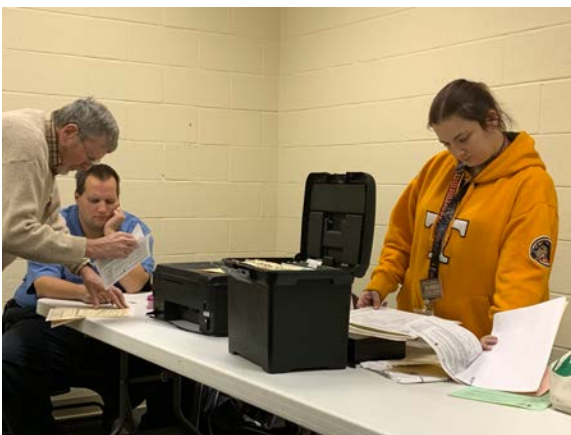
REPEATER SYSTEM

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 August 13, 2019, at Ellendale Church of Christ, 7365 Highway 70 Memphis, TN (1 ½ miles north of Highway 64 (Stage Road)).

Program: Scott KM4RT will present “Wind Loading on Antennas” from an engineering aspect.

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.

New and upgraded hams from our VE testing in July are the following:
David Hoover **W4WFE** of Jackson, TN passed his Tech **and** General!

President's Corner

Submitted by Steve Frazier, KK4VPT

It is not too late to join us on the bus to the Huntsville Hamfest this year. We still have seats available and the price has stayed at \$70 . The deadline to let us know is Thursday 8/15, so the August meeting on 8/13 would be a great time to add your name to the list. The cost for the bus includes seat on the bus, admission to the HamFest and refreshments on the bus. The time with fellow hams on the bus and at a great Hamfest is a bonus at no extra charge.

As you may have heard by now, the St. Jude Marathon has made the decision that they will not be using ham radio operators for the 2019 marathon. Last year they tested using other radios that do not need licensed operators for communications and have made the decision to use that option for all communications this year. Armature radio volunteers have been a very important part of the St Jude Marathon for a very long time and I would like to thank EVERYONE who has volunteered for all the different roles over the years.

While we will not be doing the St. Jude marathon this year, there are still other opportunities for you to use your skills to support important events. The next event is the MS Rockin' Ride 2019. This will be Saturday September 7 and Sunday September 8. Yes, this is a 2-day event and so there will be plenty of opportunities for you to participate. We will have more information and signup sheet at the August meeting.

We announced at the July meeting that Ian Lucas KN4OEK has offered to fill the opening in the Director of Programs position that was a result of Ed Taggard K7EDT leaving in September to return back home to Arizona. Ed has been a very active member of Delta Club while he was "temporarily" here in Memphis for the last few years due to work. He will be missed, but we are sure that Ian will do a great job as Director of Programs. This is a good time to say that if you are interested adding your name to the next Board of Directors election in November, please contact one of the current Directors.

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

Treasurer's Report
Submitted by David Jackson KM4SEC

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
07/31/2019

Checking Account

07/01/2019, Beginning balance:	\$16,194.45
3-deposits:	
2019 membership: \$105.00	
2019 Huntsville bus trip: \$660.00	
Field Day food reimbursement: \$43.41	
Total of deposits: \$808.41	\$17,002.86
5-checks	
Field Day food: (\$729.61)	
Food/club: (\$52.22)	
Website domain: (\$184.00)	
Equipment: (\$1,393.78)	
Total of checks: (\$2,359.61)	
Ending balance:	\$14,643.25

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: 01/14/2020. Balance: \$10,844.70

ARRL Equipment Insurance has been renewed with effective date of 09/01/2019-09/01/2020 with a cost of \$218.72

DARC Board of Directors Meeting Minutes

Submitted by Mary Jean Hall KN4FBL

August 6, 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, Ed Taggard K7EDT, Scott Adams KM4PMU, Barry McDonald W5CJ and two guests.

Absent: Bob Vawter KW4RJ and Len Grice W4MKS

Steve F. called the meeting to order at 6:28 p.m. at the Ellendale Church of Christ.

Barry M. updated the board on the shipping status of the new antenna for the .82 repeater.

David J. read the Treasurer's Report. The bus fare for the Huntsville Hamfest has been paid. The board discussed the current ARRL insurance coverage. David informed everyone that he is in the process of contacting the other clubs that helped host Field Day to get the club reimbursed for the appropriate expenses.

Bob V. K. brought up a few concerns, including a membership application that was apparently lost in the mail. Mary Jean H. said she has recently reached out to that member.

Scott A. asked for feedback and recommendations for snacks at the monthly meeting.

Ed T. took a moment to share his appreciation for Ian Lucas KN4OEK, who is stepping up to serve as the Director of Programs in September. The board members thanked Ed Taggard for his service to Delta Club and the Mid-South community during his stay in Tennessee, and we wish him the best of luck with his future endeavors! 73! Scott Fletcher KM4RT will lead this month's program about the engineering aspects of wind.

According to Joe L., 25 people have signed up for the Huntsville Hamfest bus trip. He recommended that we drop the price from \$85 to \$70 in the last few days before the trip. The board agreed.

Joe shared information about the ARRL donation in memory of Silent Key David Campbell KD4NOQ. He recommended that the donation be made to the education fund since David was

passionate about sharing his knowledge with other hams. The donation will be \$100, which was approved by the board in a previous meeting.

Joe L. let the board know that the club would have to look for another option to host www.deltaclub.org by the end of the year.

Joe informed the board that all 11 of his students in the Technician class who tested last night passed the exam, with two making General. One auditor also made General. This brings his total to 497 students who have earned their Technician license in his classes, with a 91-percent pass rate for those who finished the class.

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. Joe L. said that the Bluff City Blues Bike Ride is on October 5, 2019 and they have already reached out requesting our assistance again. The MS-150 race is September 7-8, a Saturday and Sunday. Darrell Sheffield KK4D ([277-8122](tel:277-8122) Darrell.Sheffield@memphistn.gov) is looking for volunteers for either or both days to provide communications for the seven or eight rest stops and the seven supply and gear (SAG) trucks.

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

Without objection, Steve F. adjourned the meeting at 7:59 p.m. The next Board of Directors meeting is scheduled for Tuesday, September 3, 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 July 9, 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. 52 members and three guests were present for the meeting.

Secretary's and Treasurer's Reports

Ham Hilliard W4GMM moved to approve the previous meeting's minutes and the Treasurer's Report as published in Sparks. Len Grice W4MKS seconded the motion. The minutes and the Treasurer's Report were unanimously approved by the club.

VE Testing

Joe Lowenthal WA4OVO said that one person passed both the Technician and General test tonight.

YL News

Linda Laseter KJ4CTX announced that the YLs would not hold luncheons during July and August. They look forward to starting again in September.

Training

Joe Lowenthal WA4OVO said that the Technician class started last night with 12 students. The class will test on August 5 and end on August 12.

Huntsville Hamfest

Joe Lowenthal WA4OVO discussed logistics for the Huntsville Hamfest bus trip on August 17, 2019. The \$70 price has been extended through tonight. Anyone paying between tomorrow, July 10, and the trip will pay \$85.

The charter bus will leave Germantown Baptist Church at 6:30 a.m. and return later in the afternoon. The \$70/85 includes the entry ticket, two breakfast biscuits, snacks (cookies, crackers, fruit) and drinks on the bus, and the bus ride down. The bus will park at the back of the Von Braun Center by the door, so it is convenient to go back to the bus throughout the day to sit for lunch, rest your feet and store items. Sign up with Joe. Checks can be made to "Delta Amateur Radio Club."

Steve Frazier KK4VPT let everyone know that the seminar list for Hamfest is already online at hamfest.org.

Announcements

Steve Frazier KK4VPT and other club members took a moment to commend the YLs for handling food at the Field Day event. Steve said that the Germantown park ranger commented on how clean the Pickering Center was after the event.

Break/Presentation

Steve Frazier KK4VPT called for a break from 7:12 p.m. to 7:24 p.m. Ed Taggard K7EDT showed two videos: CW30 news report for the event and Field Day 2019 “The Movie.”

Ed Taggard K7EDT said that he would be vacating his role as Program Director soon and Ian Lucas KN4OEK has volunteered to step into his place when he does. Ian then spoke about his plans and encouraged everyone to share any ideas.

Steve Frazier KK4VPT led some discussion on Field Day feedback.

Closing Remarks

Joe Lowenthal WA4OVO reminded everyone that tonight is the last chance for the \$70 Huntsville Hamfest price and to see him if you are interested in going.

Steve Frazier KK4VPT thanked everyone who assisted with and participated in Field Day.

Ham Hillard W4GMM moved to adjourn. With no objection, Steve Frazier KK4VPT adjourned the meeting at 7:41 p.m. The next Delta Amateur Radio Club meeting will be Tuesday, August 13, 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 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 map routes are at https://www.memphishightailers.com/content.aspx?page_id=4002&club_id=631861&item_id=795669

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.

SCHEDULED 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.

Congratulations to Rodney Adams, Daniel Brieck, Robert Broom, David Cary, Jim Dollar, Joshua Foster, Vicky Gamber, Lauren Martin, Matthew Massey, Jonathan Pesce, and Thomas Strawn 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 Laurel VE team of JoeWA4OVO, Bill WC9S, Jelly N4HLT, David W4DWW, Karen AG4CC, Barry W5CJ, Len W4MKS and Perry N4GJ administered the 20 exams.

The instructors are 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 will be equipment demonstrations. Joe WA4OVO and John KN4BVH will provide repeater basics and a CHIRP demo. The students should have their call signs by then, so they will have an opportunity to check-in to the Delta Net at 8pm. Rick WA4NVM and Richard K4DXF will make a satellite contact while Rick KJ4NWQ will inform on APRS. Pat W4OQG will show off the non-FM side of ham radio with HF SSB setup with and long wire and also talk about Winlink.

PROPOSED CLASSES

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

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

COMPLETED CLASSES

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 I 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 said that they will not meet Ham 101 for July & August. September's Ham 101 will cover "What kind of antenna do I need and how can I fit it on my property?"

Amateur Hardware Update

Submitted by James Butler, KB4LJV

Many times we use our computers for ham radio activities. Over the year we replace out computers with newer machines throwing away the older ones. Now we can recycle those machines and get them running faster by changing the operating system. Linux style operating systems have become more common. For the ham that wants to run on an older machine or just try out Linux on your new computer without the install hassles, they now have Linux on a bootable thumb drive. You can go on the internet and search to see how to download and make your own bootable thumb drive for free or get on Ebay and buy the thumb drive with Linux preinstalled and ready to go for under \$10.00. You can pay more and get a larger thumb drive with many versions of Linux you can try out to see which one you like. By unplugging the drive your computer returns to the normal operating system. Go to Ebay and do a search for "linux boot drive".

Amateur Packet Update
Submitted by James Butler, KB4LJV

Battery operation is needed for portable and emergency operation in ham radio. We have to have a way to store and operate with battery power. West Mountain Radio has made this easy with the “ DC TO GO “ battery box. This box has a place to put your group 24 size battery. It also has the Rigrunner 4008 DC power distribution panel mounted on the side. It has 8 fused Powerpole connections to hook you radio and accessories to. The box also has their PWRgate PG40 which can auto select from normal 12 VDC power or the box battery. The PWRgate also has a built in 4 stage battery charger to keep you battery topped off. The charger will work with Gelled or AGM type batteries. If you are looking for the ultimate in portable power check out this one from West Mountain Radio. The web address is

http://www.westmountainradio.com/product_info.php?products_id=dc_special

This year for the first time in 2019 the ARRL has come out with a printed version of the yearly Amateur Radio Handbook in a 6 volume boxed set. This allows you to select the topic you want to read about in a book of a smaller size. The book is divided as follows.

- Radio electronics theory and principles
- Circuit design and equipment
- Radio signal transmission and propagation
- Digital and analog modulation and protocols
- Antennas and transmission lines
- Construction practices

Although Windows, Mac and a standard printed manual are still available. This version is very popular and selling out quickly. Check the ARRL site for availability. The web site is

<https://www.arrl.org/shop/ARRL-Handbook-2019/>

YL Information

Submitted by Linda KJ4CTX

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 – We are on break till September due to a busy summer schedule for the YL's.

FIELD DAY – The YL's enjoyed cooking for Field Day and we would like to thank everyone for all the compliments we received. We did such a great job cleaning up that the person in charge of checking the center thought we did not even use the facility. Again, thank you to all the YL's and OM's that worked in the kitchen, setting up, and clean up. Good job!

HUNTSVILLE HAMFEST BUS TRIP - AUGUST 17, 2019
Submitted by Joe Lowenthal WA4OVO, Director of Training

DARC is sponsoring a 50-passenger bus trip to go to the Huntsville Hamfest on Saturday, August 17, 2019. The fare is \$70.00. A spouse or child living at the same address can accompany a full fare rider for \$50. The fare includes the \$10 HamFest entry ticket. There will be biscuit sandwiches, water, sodas, chips, and fruit on the bus going to Huntsville and whatever is left for the trip back.

Cash or checks will be accepted for payment. Make checks payable to Delta Amateur Radio Club. You can pay at a meeting or at Field Day. You can also send your check to Joe Lowenthal WA4OVO, 6675 Ashbridge Cove, Memphis, TN 38120. Please include your name, callsign, cell phone number, email address and whether you want bacon, ham or plain biscuits.

The bus will leave Germantown Baptist Church, 9450 Poplar Avenue at Johnson Road, Germantown, TN at 6:30am. The bus will leave Huntsville immediately after the 4pm door prize drawing and return to Germantown Baptist Church approximately 7:30pm.

Germantown Baptist Church has asked us to park in the back on the northeast side of the church so there will be security cameras on the cars.

The Huntsville Hamfest website is www.hamfest.org.

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

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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	Greater Nashville & Middle TN HamQuest in Lebanon, TN
August 17-18	Huntsville Hamfest in Huntsville, AL
October 18-19	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 (Center for United States Earthquake Consortium)	7.180		As needed

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>