

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 40 * May 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}

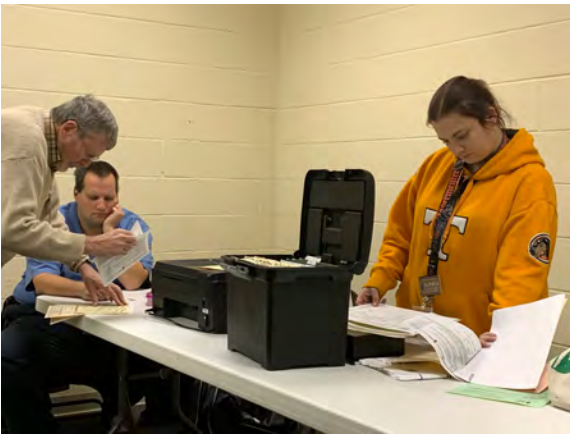
224.420^{-107.2}

144.390 Digipeater *Fusion

This month's meeting begins at 7 pm on May 14, 2019, at Ellendale Church of Christ, 7365 Highway 70 Memphis, TN (1 ½ miles north of Highway 64 (Stage Road)).

Program: Rick Tillman WA4NVM, will discuss logging Field Day N3PFJ software and setting up for satellite communications.

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.

Congratulations to the new and upgraded hams from March:

None passed! (However, none took the test!).

President's Corner

Submitted by Steve Frazier, KK4VPT

Earlier this year we decided to do a special event for the Memphis Bicentennial. This not only gives us a chance to actively participate in the Bicentennial, it has given us a behind the scenes look at what is involved to do a special event. There has been a lot to do, but with the help of a lot of people we are ready to start on May 17th. The next piece of the puzzle is your participation to get on the air. During the May meeting , we will have more information about how you can participate from your home station or during our public activation downtown on May 25th. Check out the W4M page on QRZ .com to stay updated during the event May 17 - May 31.

June will be another busy month with Field Day June 22 - 23. This is always a weekend full of fun, food and friendly competition. This year the Delta Club YLs are responsible for the food. They shared their plan at the board meeting and I think I may need to plan on going on a diet after Field Day.

Remember that the net each night on the 146.82 repeater is a great way to stay updated with everything we have going on and to keep in touch with fellow hams. If you are on Facebook, check out our Facebook page - Delta Amateur Radio Club.

73 to all
Steve KK4VPT

Certificate of Contact with W4M

Special Events Station for the 200th Anniversary of Memphis TN



W4M Event Callsign for W4BS
Delta A.R.C. Shelby Co.

P.O. Box 342768,
Memphis, TN 38134
Deltaclub.org

Station
Date
Time
Frequency
Mode
RST

Commemorative Events Station - Celebrating the 200th Anniversary of the Founding of Memphis TN

73 & Thanks for Contact



This Amateur Radio Station made radio contact with this May 2019 Special Events Station operated by W4BS Delta Amateur Radio Club of Memphis Tennessee

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

04/30/2019
 Submitted by H. David Jackson, DARC treasurer

DARC Checking Acct.	
04/01/2019, Beginning balance (credit).	\$14,215.28
3-deposits (credits):	
2-deposits 2019 memberships:	\$210.00
1-deposit FreeFest equip. sales:	\$667.00
Franklin Est.	\$477.00
Turner Est.	\$165.00
Walton Est.	\$25.00
<u>Total deposits:</u>	<u>\$877.00</u>
	Total: \$15,092.28
2-checks (debits)	
Food/drink for club, -(25.34)	
Donation MARA FreeFest, -(200.00)	
<u>Total checks,</u>	<u>-\$225.34</u>
04/30/2019 (credit) balance:	\$14,866.94

Small Business CD-0228 (1.590%). YTD Interest, \$40.55. Balance: \$10,363.63
 Small Business CD-8041 (2.230%). YTD Interest, \$119.25. Balance: \$10,784.58
 Total assets of DARC: \$36,015.15

DARC Board of Directors Meeting Minutes
May 7, 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 (via phone), Ed Taggard K7EDT, Scott Adams KM4PMU, Len Grice W4MKS and four guests
Absent: Bob Vawter KW4RJ, Barry McDonald W5CJ

Steve F. called the meeting to order at 6:30 p.m. at the Ellendale Church of Christ.

Linda Laseter KJ4CTX updated the board on the progress of the food plans for Field Day since the YLs have volunteered to coordinate food. She asked the board to approve a budget increase from \$600 to \$802.27 (tax included). Planning for 140 meals (50-lunch, 70-dinner, 20-breakfast), that comes out to just \$6.69 per person. The YLs are planning to cook barbeque for lunch, burgers/chicken/hot dogs for dinner, and sausage biscuits/fruit for breakfast. The quote also included snacks, drinks and other utensils (forks, plates, etc.) as well. The previous estimate of \$600 did not include utensils or sodas and accounted for pizza instead of barbeque. Bob V. K. moved to increase the budget allowance from \$600 to \$802.27. Mary Jean seconded the motion. The board unanimously approved it.

Linda Laseter KJ4CTX gave an update on the March of Dimes March for Babies event. She said the event went well with communications but expressed her concerns over the event's smaller size.

David J. read the Treasurer's Report. He is working on filing the appropriate financial forms. He talked with the bank about options to accept credit cards for membership payments, and they recommended it wasn't worth the fee.

Bob V.K. reminded the board that Field Day is June 22-23 in Germantown. Steve F. has volunteered to cover the 80M station.

The board discussed the W4M Event QSL card.

Ed T. said that Rick Tillman WA4NVM would discuss "Getting Started with Amateur Satellites" for the May program.

Joe L. (via phone) discussed logistics for the Huntsville Hamfest bus trip in August. The bus/trip is expected to cost about \$2,500 (\$1,925-bus; \$75-tip; \$300-Hamfest entries; \$100-

biscuits; \$100-Misc. snacks). The board decided on a two-tier ticket system. Anyone who pays to reserve his or her spot in May-June will pay just \$70, and anyone paying after July 1 will pay \$85. A second spouse or family member in the same household can attend for \$50.

The board discussed W4M Event plans and determined that the May 25 on-site event will last from noon to 7 p.m.

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

Without objection, Steve F. adjourned the meeting at 8:18 p.m. The next Board of Directors meeting is scheduled for Tuesday, June 4, 2019 at 6:30 p.m. at Ellendale Church of Christ.

Minutes of Last Month's Club Meeting

April 9, 2019 Submitted by Mary Jean Hall KN4FBL

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. 61 members and five guests were present for the meeting.

Training

Bill Flanigan KK4VPS said that no individuals tested tonight. Joe Lowenthal WA4OVO said that seven Technician class students tested and received their license during the class testing session. One individual also came and passed the General test. Joe Lowenthal WA4OVO updated everyone on the progress of the current Technician class. The next Technician class will likely be held in June or July, and the next General class will likely be held in November.

Memphis FreeFest

Art Barnett WA4PSS said that the Memphis FreeFest will be Saturday, April 13, 2019 and volunteers are needed to help setup. Several individuals are selling tickets, and tickets will be available at the door. All ticket sales will be donated to Le Bonheur Children's Hospital. Admission to the event is free and comes with one complimentary ticket. Volunteers are needed on Friday around 2-3pm to help with setup, as well as Saturday after the event to tear down. Testing will also be offered that morning.

Field Day 2019

Bob Van Keuren KM4SEB said that Field Day planning is already underway! Field Day 2019 will happen at the same place, Pickering Center park in Germantown (7771 Poplar Pike). Pat Lane will be coordinating the antenna setup. They are in the process of confirming the coordinators for each station, though they are looking for a volunteer to help coordinate the 80-meter station. This year, Delta Club will be responsible for handling the food. Len Grice will cover event advertising.

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. Dan Wehner KN4FBJ seconded the motion. The minutes and the Treasurer's Report were unanimously approved by the club.

Ham 101

Ham Hilliard W4GMM said that he will go through various UHF and VHF radios to explain settings, such as tones and offsets. Anyone not too familiar with your radio should bring it, along with the manual, to gain a better understanding of how to operate it. They will discuss Field Day during the June Ham 101. Ham 101 starts at 5:30 p.m. before the monthly Delta Club meeting upstairs above the

fellowship hall. Anyone with ideas should email him at w4gmm@belsouth.net.

Break/Presentation

Steve Frazier KK4VPT called for a break from 7:23 p.m. to 7:33 p.m. The April program covered the W4M event planning and discussion. For more information about what was discussed during the program, see the W4M section of Sparks.

Closing Remarks

Len Grice W4MKS moved to adjourn. With no objection, Steve Frazier KK4VPT adjourned the meeting at 8:05 p.m. The next Delta Amateur Radio Club meeting will be Tuesday, May 14, 2019 at 7 p.m. at the Ellendale Church of Christ.

W4M Memphis Bicentennial Event Planning

W4M Memphis Bicentennial Event – Planning Meeting

Members of Delta Club utilized the program time of the April 9, 2019 meeting to plan the W4M Memphis Bicentennial Event.

The Delta Amateur Radio Club is hosting a special event to help celebrate the City of Memphis Bicentennial Celebration this May. Delta Club has secured the special call sign, W4M, to use from May 17 through May 31. There will be an on-site event on Saturday, May 25, 2019. The actual date for Memphis's Bicentennial is Wednesday, May 22, 2019 but several events are occurring on Saturday, May 25, 2019.

Steve Frazier KK4VPT updated everyone on the current progress: location is secured, event information is on the QRZ page and set to come out in the May issue, and other smaller, completed tasks.

Steve Frazier KK4VPT said that there are no outside outlets located where we will be setup, but it may be a good opportunity for the club to practice and exhibit our ability to be self-sufficient with batteries/generators. He reminded everyone that the plan was to have different club members operate the call sign from home locations throughout the two weeks, and then have the set location on May 25.

Barry McDonald W5CJ updated everyone to the status of obtaining a Logbook of the World account for the event. He is finalizing W4BS registration, and then he will secure the needed information for the W4M event.

Steve Frazier KK4VPT asked for members to submit ideas for QSL card designs and showed some examples of previous ones. Everyone discussed using cards versus certificates and whether to mail or email them.

Ham Hilliard W4GMM said that we would likely get more participants if we tell them during earlier contacts that each person needs to make a set number of contacts, maybe at different times for different operators, to receive a certificate. We could also use this method to encourage them to call in on May 25 to make contact.

Jose Ibarra KJ4TCJ asked about area security, and Steve Frazier KK4VPT said that it would be looked into. John Volmer KN4LCV asked about media exposure. Steve Frazier KK4VPT said that Len Grice W4MKS had already started contacting the appropriate people, but anyone with additional ideas should get in touch with him. Pam Sayle KN4SLN recommended trying to get on WREG's Live at 9, too.

Steve Frazier KK4VPT said that more will be discussed at the May 7 Board of Directors meeting, and anyone interested is always welcome to attend.

For additional information on the W4M event or to volunteer with event planning, contact Ed Taggard K7EDT or send an email to W4M2019@gmail.com.

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.

HQ 101 will meet at **5:30** pm on May 14, 2019

The topic in May will be operation of VHS, UHF, and other upper band radios and handy talkies.

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

19 Technician

2 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 will be held on six Monday nights from July 8th thru August 12th from 6:15-9:30pm The location will be at the Germantown Police Department training room, 1930 South Germantown Road. To register for the class, send an email to wa4ovo@gmail.com with the Subject Line; Tech Class and name, email address and cellphone number in the text.

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 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.

Amateur Hardware Update

Article and image submitted by James Butler, KB4LJV

Since a lot of our equipment runs on 12 VDC we need to make sure the voltage is within a range that is required. One new product to do this is the “volt tattler”. This is a microprocessor that monitors the DC voltage and reports the status. The board has status LED lights to display voltages that are above or below limits that you set. It also has an audio alarm that sends morse code “L” for low voltage alarm and “H” for high voltage alarm. The unit also has a green flashing LED to show the voltage is being monitored. The monitor also has an accessory output header to send a signal to a remote device to alert of the alarm. This low power unit only draws 1 milliamp during normal operation. Voltage is monitored at up to 20 times per second. The cost is \$25 in kit form. It is a cheap peace of mind to protect expensive equipment. To learn more go to QRPKITS. Their web address is <https://www.qrpkits.com/voltattler.html>

Amateur Packet Update

Submitted by James Butler, KB4LJV

Many times when hooking up our equipment we need to do wiring. Over the years new products have been released to make this job easier. One of these is the “T Splice”. This does two important functions to make hookup easier. One is that it provides a clamp on the existing wire which cuts through the insulation and the T Splice also makes a secure contact with the metal wire inside. The other function is to provide a tap to plug a connector into that allows the device



to be connected. To T-Splice fits the multi that you are tapping sizes are offered the gauge of wire. They like you normally see The Red color for 18 to Blue color for 16 to 14 Yellow color for 10 to



make sure the stranded wire into, different depending on are color coded for connectors. 22 Gauge wire; gauge wire; and 12 gauge wire. like the

You can buy any quantity and gauge you need. I assorted package with various sizes. A 60 piece set cost less than \$4. If you need to splice wire, check these out on Ebay. Do a search for “T Splice” to see all the options.

James Butler
KB4LJV

FreeFest

Saturday, April 13, 2019

FreeFest was a great success this year! Ticket donations raised ~\$4800 for LeBonheur Children's Hospital! The aisles were so crowded around 10:00 to 11:00 people could hardly move around the tables! I like the new arrangement with the ticket barrel and tables at the front as well. Thanks Ian KN4OEJ for setting up the Powerpoint for announcements and to show prize winners. What a great touch. I think the sound system is easier to hear and understand with the speakers in the front too. Teenager Skylar Gray KN4TWY, earned her Technician license during the VE testing, which made her grandfather Ray KJ4SBC, very happy. Everyone I talked to agreed that the 2019 FreeFest was very successful. Pictures following were submitted by Marshall, Ray AA4UK and Bob KW4RJ.









FreeFest Prizes won:

Crockpot	Jack Stewart
Canister Set	Bob (KC4AF)
ARRL \$25	John (KD4EUZ)
Tire Inflator	Rick WA4NVM
Nashoba Club - \$50 ARRL	N4DTF Trent
MFJ Lightning Arrestor	Teri (AC5YL)
Crock Pot	Lance N4GMT
Invicta MGY E WAtDS	Michael (KE4VYD)
Top Brass Certificate Permit Class	John (KD4EUZ)
LaCrosse Weather Station	Dwayne (N5XUL)
\$25 O CSAauGJE GiftCard	Ned (KA4BLL)
Atomic Alarm Clock	Robert (KN4OEP)
Crock Pot	Ray AA4UK
\$50 Gift Card ' Danvers	MaryJean (KN4FBL)
\$50 Nashoba ARRL Gift Certificate	John Evans
Scanner/RX Antenna	Tom (W5KUB)
Atomic Alarm Clock	Max (K1MAX)
Set of Pots & Pans	Gail (KI4VDI)
ARRL \$25	Ned (KA4BLL)
ARRL \$50	Dale (AC5ZC)

DC VoltMeter	Bill WC9S
\$20 RF Adapter Guy	Ian (KN4OEK)
Ultimate DX World Map (Friend of MARA Club)	N4LIA Tom Rick WA4NVM
Johnson Viking Ranger Transmitter	KX4RE (Chuck)
Main PRIZES:	Won By:
Rechargeable flash light and head light Oldest testing ham - Donated by Satellite Sam	Chuck KX4RE
Drone Youngest testing ham - Donated by Satellite Sam	Skylar KN4TWY
Yaesu FT-2980R Donated by the BullFrog Net	Steve (KN4AEO)
40" LED TV Donated by Friends of MARA	Robert (K4VL)
IMD-104 Backpack Antenna Donated by TN07 Engineering	Robert (K4VL)
MFJ 259C Analyzer Donated by JMR Sales	Dennis (K5OLV)
Drone with Wi-Fi Camera Donated by Satellite Sam	Glenn (KW5GP)
\$200 Cash Prize Donated by Delta Amateur Radio Club	Ray (N5RLC)

MFJ Power Supply Donated by the BullFrog Net	KN4OEK Ian
TYT TH-8600 25w Mobile Radio Donated by Ham World	Not present will contact
128GB iPad (6th Generation) WiFi Donated by F & F Construction	Dennis KJ4DBU
2000 Watt Predator Inverter/Generator Donated by F & F Construction	Howard K4HWS
Baofeng BFC2	Lance (N4GMT)
Baofeng BFC2	Joe (WB4NWE)
Baofeng BFC2	Jim (KI4I)

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 – It is a busy summer for the YL's and we decided to forgo a luncheon for April due to working on our booth for FreeFest, participating in FreeFest, and other commitments the YL's had during the month of April.

FREEFEST – The YL FreeFest booth this year was overflowing with wreaths, a variety of different baskets, microwave cozies, kitchen towels, pot holders, and baby blankets. These items were made and donated by the following YL’s: Ann WB4FAA, Betsy KD4KOM, Carrie KN4LCU, Doris KJ4THA, Gale KI4VDI, Kathy KE4UYU, Sylvia KN4OEJ and Linda KJ4CTX. Doris’s sister-in-law generously donated 16 Easter Baskets and Carrie’s mom made and donated some lovely aprons.

In addition to the items we had for sale the YL Silent Auction included wreaths, gift cards, baby quilts, gift baskets, a child’s reversible crayon apron, a Blue Dog painting and several other items. Thank you to everyone who participated in the auction and provided us the opportunity to donate \$133.00 to Le Bonheur. Our goal is to donate even more to Le Bonheur next year.

We were also able to donate nine Easter Baskets to the Carl Perkins Child Advocacy Center in Fayette County.

See the picture and caption below.

We would also like to thank Bozo’s and Olympic Pizza and Steak for their generous gift card donations and Gale’s neighbor who painted and donated the “Blue Dog painting”.

May Luncheon – YL’s you do not want to miss this luncheon. Retired police officer Dan Miller will be teaching us self-defense. This should be a very informative program and one we could all benefit from.

This will be a potluck luncheon so bring your favorite dish and come join us. This will be very interesting.

LUNCHEON – POTLUCK

May 18, 2019

11:30 A.M.

Saturday

Ellendale Church of Christ (the regular DARC meeting location)

7365 US-70

Memphis, TN 38133



FREEFEST 2019 - Pictured left to right – Cindy Foster, Doris KJ4THA, Gale KI4VDI, Linda KJ4CTX, Betsy KD4KOM, Barri WB4SWP, Sylvia KN4OEJ. Photo by Ken KI4AOH. Carrie KN4LCU (not pictured) was working in the kitchen.

FIELD DAY 2019
June 22-23

Field Day planning has begun. On Monday night April 1st, the Memphis area clubs met at Germantown Fire Station #4 to start the planning. Field Day will be held in Germantown at 7771 Poplar Pike in Morgan Woods Park in front of the Horse Show Arena on June 22-23, 2019. The actual FD contest begins at 1pm on Saturday and runs for 24 hours until 1pm Sunday. We will start set up Saturday morning about 8:30. Some workers gather at Picadilly at 7:30 for breakfast. The YLs have volunteered to coordinate the meals. For the setup workers, lunch will be at 11:30am. Saturday evening we will have Lance Morris' chicken supreme. At 1pm Sunday will be tear down. Help is needed on all three activities: setup, operating, and tear down. See you at Field Day.

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 if paid by June 30th and \$85 after June 30th. 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. There are no refunds, but you can sell your seat to someone else if you can not go. Let me know.

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.

Reservations will be on a first come first paid basis.

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

President

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

Vice President

Bob Van Keuren KM4SEB
rtvk@hotmail.com
901-853-0303

Secretary

Mary Jean Hall KN4FBL
kn4fbl@gmail.com
901-356-1475

Treasurer

David Jackson KM4SEC
davidjackson@bellsouth.net
901-487-3016

Director of Training

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

Director of Publications

Bob Vawter, KW4RJ
vawter.bob@gmail.com
901-438-4563

Director of Programs

Ed Taggard K7EDT
etaggard@gmail.com
480-225-7327

Director of Meetings & Special Events

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

Repeater Trustee

Barry McDonald W5CJ
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	
Dec 7.	St Jude marathon	Roger Schlichter

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/fl312601Fill-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

Delta Club sponsored Nets are shown in red.

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

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*.

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)



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