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!).

W4BS REPEATER SYSTEM

| 146.820 | 147.360 |
| 146.625 | 443.200 |
| 224.420 | 144.390 |

* Fusion
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

This Amateur Radio Station made radio contact with this May 2019 Special Events Station operated by W4BS Delta Amateur Radio Club of Memphis Tennessee
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](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
Total deposits: $877.00
Total: $15,092.28

2-checks (debits)
Food/drink for club, -(25.34)
Donation MARA FreeFest, -(200.00)
Total checks, -(225.34)
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
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.
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.

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**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.

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**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.
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 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.

![Image: Photo of 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](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](https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp), 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.
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/volttattler.html

Many time 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 make sure the stranded wire 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 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 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:

<table>
<thead>
<tr>
<th>Prize Description</th>
<th>Winner</th>
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<tbody>
<tr>
<td>Crockpot</td>
<td>Jack Stewart</td>
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<tr>
<td>Canister Set</td>
<td>Bob (KC4AF)</td>
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<tr>
<td>ARRL $25</td>
<td>John (KD4EUZ)</td>
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<tr>
<td>Tire Inflator</td>
<td>Rick WA4NVM</td>
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<tr>
<td>Nashoba Club - $50 ARRL</td>
<td>N4DTF Trent</td>
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<tr>
<td>MFJ Lightning Arrestor</td>
<td>Teri (AC5YL)</td>
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<tr>
<td>Crock Pot</td>
<td>Lance N4GMT</td>
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<tr>
<td>Invicta MGY E WAtDS</td>
<td>Michael (KE4VYD)</td>
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<tr>
<td>Top Brass Certificate Permit Class</td>
<td>John (KD4EUZ)</td>
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<tr>
<td>LaCrosse Weather Station</td>
<td>Dwayne (N5XUL)</td>
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<tr>
<td>$25 O CSAauGJE GiftCard</td>
<td>Ned (KA4BLL)</td>
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<tr>
<td>Atomic Alarm Clock</td>
<td>Robert (KN4OEP)</td>
</tr>
<tr>
<td>Crock Pot</td>
<td>Ray AA4UK</td>
</tr>
<tr>
<td>$50 Gift Card ' Danvers</td>
<td>MaryJean (KN4FBL)</td>
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<tr>
<td>$50 Nashoba ARRL Gift Certificate</td>
<td>John Evans</td>
</tr>
<tr>
<td>Scanner/RX Antenna</td>
<td>Tom (W5KUB)</td>
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<tr>
<td>Atomic Alarm Clock</td>
<td>Max (K1MAX)</td>
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<tr>
<td>Set of Pots &amp; Pans</td>
<td>Gail (KI4VDI)</td>
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<tr>
<td>ARRL $25</td>
<td>Ned (KA4BLL)</td>
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<tr>
<td>ARRL $50</td>
<td>Dale (AC5ZC)</td>
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<tr>
<td>Item</td>
<td>Won By</td>
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<td>-----------------------------------------------------------</td>
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<tr>
<td>DC VoltMeter</td>
<td>Bill WC9S</td>
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<tr>
<td>$20 RF Adapter Guy</td>
<td>Ian (KN4OEK)</td>
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<tr>
<td>Ultimate DX World Map (Friend of MARA Club)</td>
<td>N4LIA Tom</td>
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<tr>
<td></td>
<td>Rick WA4NVM</td>
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<tr>
<td>Johnson Viking Ranger Transmitter</td>
<td>KX4RE (Chuck)</td>
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<tr>
<td><strong>Main PRIZES:</strong></td>
<td></td>
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<tr>
<td>Rechargeable flash light and head light</td>
<td>Chuck KX4RE</td>
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<tr>
<td>Oldest testing ham</td>
<td></td>
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<tr>
<td>Donated by Satellite Sam</td>
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<tr>
<td>Drone</td>
<td>Skylar KN4TWY</td>
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<td>Youngest testing ham</td>
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<tr>
<td>Yaesu FT-2980R</td>
<td>Steve (KN4AEO)</td>
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<tr>
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<tr>
<td>40&quot; LED TV</td>
<td>Robert (K4VL)</td>
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<tr>
<td>Donated by Friends of MARA</td>
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<tr>
<td>IMD-104 Backpack Antenna</td>
<td>Robert (K4VL)</td>
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<tr>
<td>Donated by TN07 Engineering</td>
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<tr>
<td>MFJ 259C Analyzer</td>
<td>Dennis (K5OLV)</td>
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<tr>
<td>Donated by JMR Sales</td>
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<tr>
<td>Drone with Wi-Fi Camera</td>
<td>Glenn (KW5GP)</td>
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<td>Donated by Satellite Sam</td>
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<tr>
<td>$200 Cash Prize</td>
<td>Ray (N5RLC)</td>
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<tr>
<td>Donated by Delta Amateur Radio Club</td>
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<tr>
<td>MFJ Power Supply</td>
<td>KN4OEK Ian</td>
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<tr>
<td>Donated by the BullFrog Net</td>
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<tr>
<td>TYT TH-8600 25w Mobile Radio</td>
<td>Not present will contact</td>
</tr>
<tr>
<td>Donated by Ham World</td>
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<tr>
<td>128GB iPad (6th Generation) WiFi</td>
<td>Dennis KJ4DBU</td>
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<tr>
<td>Donated by F &amp; F Construction</td>
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<tr>
<td>2000 Watt Predator Inverter/Generator</td>
<td>Howard K4HWS</td>
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<tr>
<td>Donated by F &amp; F Construction</td>
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<tr>
<td>Baofeng BFC2</td>
<td>Lance (N4GMT)</td>
</tr>
<tr>
<td>Baofeng BFC2</td>
<td>Joe (WB4NWE)</td>
</tr>
<tr>
<td>Baofeng BFC2</td>
<td>Jim (KI4I)</td>
</tr>
</tbody>
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**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 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.

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 cannot 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

2019 Board of Directors

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901-853-0510

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901-487-9103

Public Information Officer
Len Grice, W4MKS
W4MKS@arrl.net
901-522-6711
If you are interested in joining Shelby County ARES, complete an application at [www.tnares.com](http://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.

<table>
<thead>
<tr>
<th>2019 Date</th>
<th>Event</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 20</td>
<td>Swamp Stompers 50K/25K Run</td>
<td>Ken Laseter KI4AOH</td>
</tr>
<tr>
<td>May 12</td>
<td>MARS contacts</td>
<td></td>
</tr>
<tr>
<td>June 22-23</td>
<td>Field Day @ Morgan Woods Park, G’town</td>
<td></td>
</tr>
<tr>
<td>Sep 7-8</td>
<td>MS-150 Bike Ride</td>
<td>Darrell Sheffield KK4D</td>
</tr>
<tr>
<td>Oct 5</td>
<td>Bluff City Blues Bike Ride</td>
<td></td>
</tr>
<tr>
<td>Dec 7.</td>
<td>St Jude marathon</td>
<td>Roger Schlichter</td>
</tr>
</tbody>
</table>

### Hamfests in the Southeast area

<table>
<thead>
<tr>
<th>2019</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 25-26</td>
<td>Capitol City Hamfest in Jackson, MS</td>
</tr>
<tr>
<td>February 8-10</td>
<td>HamCation 2019 in Orlando, FL</td>
</tr>
<tr>
<td>February 16</td>
<td>LCARC’s 2019 Winterfest in Hoxie, AR</td>
</tr>
<tr>
<td>March 1-2</td>
<td>BirmingHamfest 2019 in Birmingham, AL</td>
</tr>
<tr>
<td>March 9</td>
<td>MTARS Hamfest Tullahoma, TN</td>
</tr>
<tr>
<td>March 23</td>
<td>Ides of March Hamfest in Union City, TN</td>
</tr>
<tr>
<td>March 30-31</td>
<td>April Fool Hamfest in Corinth, MS</td>
</tr>
<tr>
<td>April 13</td>
<td>Memphis FreeFest in Bartlett, TN</td>
</tr>
<tr>
<td>May 17-19</td>
<td>Hamvention in Xenia, OH</td>
</tr>
<tr>
<td>July 27</td>
<td>Greater Nashville &amp; Middle TN HamQuest in Lebanon, TN</td>
</tr>
<tr>
<td>August 17-18</td>
<td>Huntsville Hamfest in Huntsville, AL</td>
</tr>
<tr>
<td>October 18-19</td>
<td>Hamfest Chattanooga in Chattanooga, TN</td>
</tr>
</tbody>
</table>
• 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:


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

<table>
<thead>
<tr>
<th>Name of Net</th>
<th>Freq. MHz</th>
<th>Offset/Tone</th>
<th>Local Time</th>
<th>Day of Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delta Club Information Net</td>
<td>146.820</td>
<td>- (107.2)</td>
<td>8:00p</td>
<td>Daily</td>
</tr>
<tr>
<td>YL Net</td>
<td>146.820</td>
<td>- (107.2)</td>
<td>8:45p</td>
<td>Sat</td>
</tr>
<tr>
<td>Mid-South Bullfrog Net</td>
<td>146.535</td>
<td>[simplex]</td>
<td>7:30p</td>
<td>Daily</td>
</tr>
<tr>
<td>Elmer Net</td>
<td>145.210</td>
<td>- (107.2)</td>
<td>9:00p</td>
<td>Sun</td>
</tr>
<tr>
<td>MedMERS Net</td>
<td>146.820</td>
<td>- (107.2)</td>
<td>12:00p</td>
<td>Wed</td>
</tr>
<tr>
<td>ARES Training Net</td>
<td>146.850</td>
<td>- (107.2)</td>
<td>9:00p</td>
<td>Thu</td>
</tr>
<tr>
<td>Sunday Super Niner Net</td>
<td>927.6125</td>
<td>- (146.2)</td>
<td>8:30p</td>
<td>Sun</td>
</tr>
</tbody>
</table>

Delta Club sponsored Nets are shown in red.
### TENNESSEE HF NETS

As of January 2019  
All times are Central Time

<table>
<thead>
<tr>
<th>Net Name</th>
<th>Freq. MHz</th>
<th>Local Time</th>
<th>Day of Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tennessee CW Net</td>
<td>3.563</td>
<td>7:00p</td>
<td>Daily</td>
</tr>
<tr>
<td>Tennessee Slow CW Net</td>
<td>3.682</td>
<td>7:30p</td>
<td>Tue-Sun</td>
</tr>
<tr>
<td>Tennessee Alternate Phone Net</td>
<td>7.238</td>
<td></td>
<td>As needed</td>
</tr>
<tr>
<td>CUSEC</td>
<td>3.810</td>
<td></td>
<td>As needed</td>
</tr>
<tr>
<td>CUSEC</td>
<td>7.180</td>
<td></td>
<td>As needed</td>
</tr>
</tbody>
</table>

(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
Advertisement forms can be downloaded from our website – http://deltaclub.org/aboutUs.html