

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 39 * April 2019



Delta Amateur Radio Club (DARC)

Sparks Newsletter

Website: <http://deltaclub.org>

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

W4BS

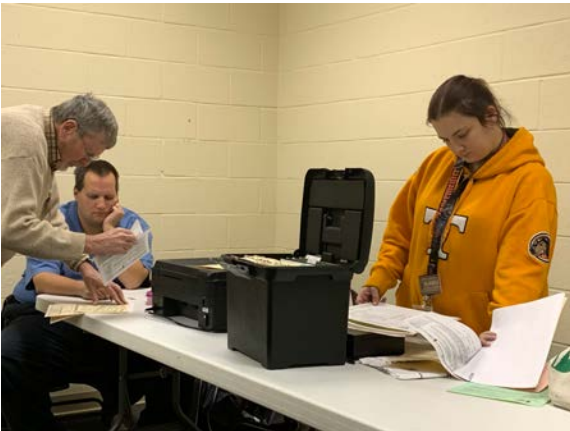
REPEATER SYSTEM

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 April 9, 2019, at Ellendale Church of Christ, 7365 Highway 70 Memphis, TN (1 ½ miles north of Highway 64 (Stage Road)).

Program: **Ed K7EDT will be discussing the upcoming W4M special event.**

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:

Gregory Brown - new Technician

Richard Brown - new technician

Lee Staley - new technician

Gary Connerly - new technician

James Martin - General to Extra, KD4FUU

President's Corner

Submitted by Steve Frazier, KK4VPT

We start things off with FreeFest on Saturday April 13. This is always a great event and I look forward to going again this year and hope to see you there. Setup will be Friday April 12 starting at 4pm and cleanup will start about 3pm on Saturday. They always welcome help for setup and cleanup and would appreciate your help.

Next up is the Memphis Bicentennial special event. Delta Club has hit the ground running to make sure we take part in the Memphis Bicentennial. We have the call sign W4M that we will be using May 17 - May 31. We will be running the special event on HF and on the 146.82 repeater so that everyone can be involved. On Saturday May 25, we have permission to use the Welcome Center downtown on Riverside Drive near the Bass Pro Shop. Now that we have that worked out, we can move forward with planning for that day in addition to the details for the entire event. At the April meeting we will bring everyone up to date about the special event and follow up on planning that we started during the March meeting. We still have a lot to do in a short time, but can do it with your help.

Then the next thing you know, it will be time for Field Day which will be June 22 - 23. We have already had a planning meeting for Field Day and everything is on track for another successful year this year. We will be at the same location as the last few years which is the park next to the Pickering Center on Poplar Pike near the Germantown Charity Horse Show Field. We are following the same plan as last year, but this year Delta Club will be responsible for the food for the weekend. We also discussed that we need more operators this year. So once again - we can make this happen with your help.

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. I have noticed that we have had several people checking out our Facebook page - Delta Amateur Radio Club - and we will start using this option more for updates.

73 to all

Steve
KK4VPT

Treasurer's Report Submitted by David Jackson KM4SEC
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Please RENEW your Delta membership right away, so you won't forget about it! Download the new member or renewal form: <http://deltaclub.org/documents/application-15-3.pdf> Membership for one is \$20 or family is \$25. You can fill out the form online and email to David Jackson KM4SEC. davidjksn@bellsouth.net
 If you prefer you can print the form and bring the completed form, along with the membership fee to any meeting.

Treasurer's Report
 03/31/2019
 Submitted by H. David Jackson, DARC treasurer

DARC Checking Account:

03/01/2019 Beginning balance (credit) \$13,787.63

4 deposits (credits):

2-deposits 2019 memberships: \$180.00

2-deposits for estate sale:

Franklin estate: \$637.00

Total of deposits \$817.00

Total: \$14,604.63

4-checks (debits)

Equipment/repair: -(\$139.00)

Supplies: -(\$101.58)

Food/meetings: -(\$98.77)

Huntsville booth: -(50.00)

Total of checks: -(\$389.35)

03/31/2019 (credit) balance: Total: \$14,215.28

Small Business CD-0228 (1.590%) \$10,363.63

Small Business CD-8041 (2.230%) \$10,725.44

Total: \$21,089.07

Reports filed:

- State of Tennessee Annual Report for 2018
- Federal IRS 990-N Report for 2018

DARC Board of Directors Meeting Minutes
April 2, 2019 -- Submitted by Mary Jean Hall KN4FBL

Attendees: Steve Frazier KK4VPT, Bob Van Keuren KM4SEB, Mary Jean Hall KN4FBL, David Jackson KM4SEC, Joe Lowenthal WA4OVO, Bob Vawter KW4RJ, Scott Adams KM4PMU, Barry McDonald W5CJ, Len Grice W4MKS
Absent: Ed Taggard K7EDT

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

David J. read the Treasurer's Report. All of the appropriate tax forms and paperwork has been submitted to the appropriate entities. He is also looking into the ability to accept credit card payment through the website for membership applications.

Bob V.K. reminded the board that Field Day is June 22 and 23 this year and Delta Club will be participating in Germantown in Morgan Woods Park. There is still organizing to be done, but several stations will be setup for those wishing to participate:
CW – Pat Lane, 40M – Randy Wilder, 20M – Fred Miller, Digital – Barry McDonald
Satellite – Rick Tillman, GOTA – TBD, 80M/15M – TBD

2019 Field Day setup starts at 8:30am Saturday, June 22, and the event will run from 1pm Saturday through 1pm Sunday.

Barry M. talked about a possible opportunity to add a local repeater to the MTEARS (Middle Tennessee Emergency Amateur Repeater System). <http://mtears.org>

Joe L. said that the Technician class just completed the series and seven individuals received their license. One individual also received his General license.

Joe L. discussed logistics for the Huntsville bus trip in August. The club will likely start accepting money for bus spots in May.

There was discussion about the W4M event on May 25, and the April program will cover the event planning, too.

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

Without objection, Steve F. adjourned the meeting at 7:50 p.m. The next Board of Directors meeting is scheduled for Tuesday, May 7 at 6:30 p.m. at Ellendale Church of Christ.

Minutes of Last Month's Club Meeting
March 12, 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 sanctuary and welcomed everyone to the meeting. Everyone then introduced themselves by name and call sign. 46 members and 2 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. Dan Wehner KN4FBJ seconded the motion. The minutes and the Treasurer's Report were unanimously approved by the club.

YL News

Linda Laseter KJ4CTX reminded YLs about the monthly YL luncheon this Saturday, March 16 at 11:30am. This month's luncheon will be a potluck at the Ellendale Church of Christ. All YLs are encouraged to attend to help make items to sell during the YL Silent Auction at FreeFest.

Training

Five individuals tested tonight: four Technician and one Extra.

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.

This month's ARES meeting will occur at the Lord of Life Lutheran Church and serve as the Memphis area National Weather Service Stormspotter training.

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.

Announcements

Steve Frazier KK4VPT said that the board is looking to appoint a club Historian, which is in line with our bylaws, to help gather and record historical information about the club. This could be a good opportunity for an old or new ham to get more involved, whether it covers interviewing individuals, listing highlights on the club website, or anything else that could help the club record history. Anyone

interested should reach out to a board member.

The Facebook page for Delta Club should start having more information shared to it. If you are on Facebook, like the Delta Amateur Radio Club page for more updates!

Break/Presentation

Steve Frazier KK4VPT called for a break from 7:25 p.m. to 7:40 p.m. The March 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

With no objection, Steve Frazier KK4VPT adjourned the meeting at 8:12 p.m. The next Delta Amateur Radio club meeting will be Tuesday, April 9, 2018 at 7 p.m. at the Ellendale Church of Christ.

W4M Memphis Bicentennial Event Planning

W4M Memphis Bicentennial Event Planning

Members of Delta Club utilized the program time of the March 12, 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.

Ed Taggard K7EDT said he is working on updating the W4M event's details on the QRZ page. He also encouraged anyone interested in volunteering for a specific task to sign up to help. The event information has already been submitted to the QST magazine for the May issue, as well as the ARRL website.

Ed Taggard K7EDT said that he has reached out to the City of Memphis to get information about possible places to setup downtown since securing a location is a priority. Several possible locations were discussed, including the west side of the city's welcome center, top bluff near Beale Street Landing and other downtown locations.

Steve Frazier KK4VPT 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.

Ed Taggard K7EDT created a schedule on Google Docs to help organize the volunteers. There was some discussion about what information to have available for the event.

Ham Hilliard W4GMM recommended that each operator have a list of general information about the City of Memphis and the Bicentennial event, but look to keep the information short enough for a contact to be made for the QSL card.

Ed Taggard K7EDT said he hoped to reach out to the appropriate contact to get the event promoted on the Amateur Radio Roundtable on YouTube. Eventually certificates and QSL cards will need to be designed, so he encouraged anyone creative to draft a design to bring to the next meeting. Ham Hilliard W4GMM recommended that certificate design be a lower priority since they are mailed out after the event. Ham also inquired about emailing certificates versus mailing them.

Ed Taggard K7EDT said that we would use Logbook of the World. Joe Lowenthal WA4OVO brought up requiring a Self-Addressed Stamped Envelope for QSL cards or certificates. Ed said that the .82 repeater is included in the event to encourage more club members to participate and help out.

Steve Evans KM4VYA made a motion to pursue the welcome center as the preferred location. The motion was seconded. There was additional discussion on possible locations. Steve Evans moved to withdraw his motion, and without any objection it was withdrawn.

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 April 9, 2019



Ham and the 101 group discussing the purpose of MARS, ARES, ARRL and RACES their purpose within the Ham Radio community at the March DARC meeting.

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

5 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.

A Technician Class license class probably start in late June or early July.

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. 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



Perry Hayes N4GJ leading Tech Class 2-19

Photo by Joe Lowenthal WA4OVO



Barry W5CJ leading Tech Class 2-19.

Photo by Joe Lowenthal WA4OVO



Tech Class 2-19 with Shelby County EC John Reiners KN4BVH calling the ARES Net in back of picture from the class
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. 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



Extra Class 1-19 with instructor Barry W5CJ leading the class
Photo by Joe Lowenthal WA4OVO



David Webb KV4QI presenting his philosophy of testing during Chapter 7 & 8 of Extra Class 1-19
Photo by Joe Lowenthal WA4OVO

The instructors are Joe Lowenthal WA4OVO, Dean Honadle N2LAZ, Pat Lane W4OQG, Paul Roberts KA9VAU, Barry McDonald W5CJ, and 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

Amateurs now use the internet to get information about ham radio. We access the ARRL site along with many other ham radio sites. We also view ham radio files in PDF format for information. I normally use computers with Windows operating systems along with some Linux machines. One new operating system is the "CHROME OS". This comes on small laptops and runs everything through Google Chrome online. These are the laptops that are used in schools for students to use. These have the advantage of cheap price along with high performance when on the internet. I

laptop off of Ebay than my Windows drive my seconds. The also lasts 12 hours Chromebooks will the moment but already have the Linux software. To maximum you do Do a Google search should be you next



bought a used Chromebook for \$65.00 and it is much faster 10 laptop. With solid state Chromebook boots in 7 battery on my Chromebook of hard use without charging. not run Windows software at they are working on it. They new ones running Android and use your Chrome to the need an internet connection. for "Chromebook" to see if this laptop.

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

FreeFest

Saturday, April 13

FreeFest 2019 needs volunteers. We need able bodied men and women to help with load in on **Friday 4-6** and help with load out on Saturday **afternoon 3-5**. Please call me at 901-626-3678 or email at dcvv3714@aol.com. Thanks for your support with FreeFest 2019.

Dennis Foster KJ4BDU

YL Information

Submitted by Linda KJ4CTX

YL News
April 2019

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 – For March’s luncheon we decided a potluck luncheon would be a good choice as we continued to work on our wreaths. We enjoyed a variety of dishes prepared by the ladies for the luncheon that included a casserole dish, spaghetti, salad, deviled eggs, cupcakes and much more. After feasting on all of these wonderful dishes we proceeded to the work tables and continued to work on the wreaths. The YL’s made some beautiful wreaths and you may see some of their lovely creations for sale at FreeFest.

Our lucky door prize winner for March was Janet KN4FBI. Congratulations Janet on winning the microwave omelet set!

Please come by the YL booth at FreeFest. We will have a number of items for sale which will include deco mesh wreaths and grapevine wreaths. We will also have a Silent Auction which will include gift certificates, Easter baskets and other baskets filled with goodies, a baby quilt, and a couple of beautiful wreaths, along with other items. Remember Mother’s Day and Easter are coming up and some of our wreaths would make a lovely gift for someone. We hope you will plan to attend and come by the YL booth and join in the Silent Auction bidding or just come by and visit for a while. We will happily donate a portion of our sales to Le Bonheur again this year. Please help the YL’s donate even more to Le Bonheur this year than last year’s donation by joining in the Silent Auction bidding fun or making a purchase!

*******PLEASE NOTE ----- THERE WILL NOT BE A YL LUNCHEON IN APRIL*******



Pictured left to right – Janet KK4PRT, Pam KN4SLN, Ann WB4FAA, Doris KJ4THA, Betsy KD4KOM, Gale KI4VDI, Sylvia KN4OEJ, Carrie KN4LCU, Janet KN4FBI and taking photo Linda KJ4CTX.

NWS Skywarn Training
Submitted by Joe WA4OVO

On March 26th Shelby County ARES sponsored the two hour Skywarn Training program at Lord of Life Lutheran Church. Shelby County EC (Emergency Coordinator) John Reiners KN4BVH opened the meeting. He invited Channel 3 weekend weatherman Austen Onek KG4GKE to say a few words. Austen encouraged everyone to pay attention to the weather since people validate technology. The Skywarn training was presented by Gary Woodall KD5WUT, Meteorologist with the National Weather Service Memphis office. Seventy-six people attended. About half of the audience were hams.



Gary Woodall KD5WUT, NWS meteorologist, presenting Skywarn storm spotter training at the March 26th ARES meeting at Lord of Life Lutheran Church.

Photo by Joe Lowenthal WA4OVO



Skywarn storm spotter training audience Photo by Joe Lowenthal WA4OVO

NWS-NOAA meeting on Wednesday, March 27

Submitted by Bob KW4RJ

Called the “Spring Partners Workshop,” this meeting was for all interested persons concerning NWS- NOAA weather related concerns. Attendance was mostly by meteorologists and weather spotters from around our region: Missouri, Arkansas, Mississippi and Tennessee. Discussions were held concerning spring weather and flood outlook, Flood Warning and Advisory Philosophy, Situational Awareness Weather Monitoring Systems and when and where weather sirens should be sounded. One of my highlights was a tour of the NWS office in the Agricenter, and the biggest surprise to me was the fact that the NWS office follows social networking VERY closely for critical up to date weather information! Tom AC5MR, David KV4QI, and myself, Bob KW4RJ were the DARC hams attending the morning session. The session was orchestrated by Gary KD5WUT. For more information, contact

Gary Woodall KD5WUT

Warning Coordination Meteorologist

National Weather Service Memphis, TN

901-544-0399 x 223

<https://www.weather.gov/contact/weatherreadynation/ambassadors.html>

<https://www.facebook.com/NWSMemphis>

<https://twitter.com/NWSMemphis>

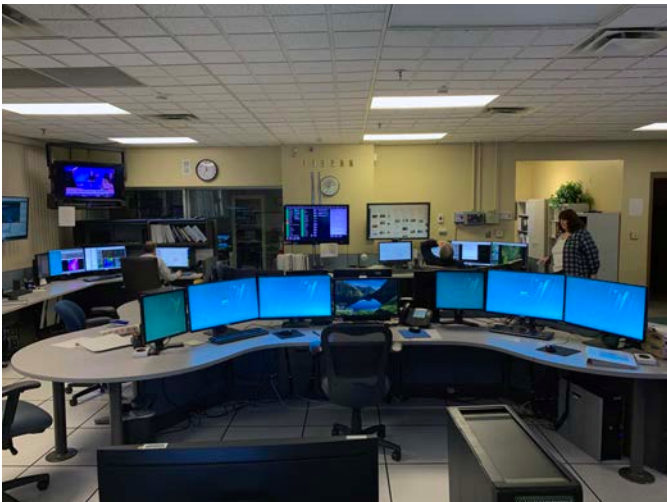
<https://www.youtube.com/user/NWSMemphis>

<https://www.weather.gov/meg/>

<http://www.deltaclub.org/documents/NWSClimate-Hydro%20Outlook%20Spring%202019.pdf>

http://www.deltaclub.org/documents/NWSSPW2019_Flood_Philosophy.pdf

<http://www.deltaclub.org/documents/NWSSituational%20Awareness%20Weather%20Monitoring%20Tools.pdf>



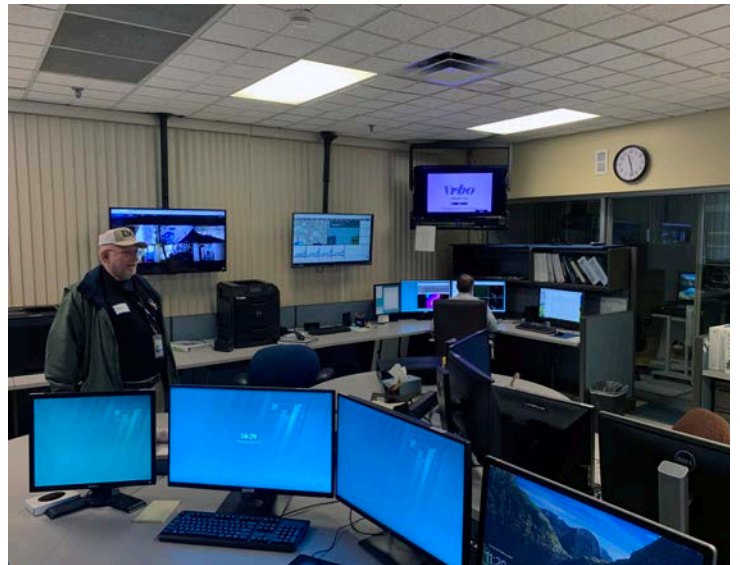
The NWS office at the Agricenter.



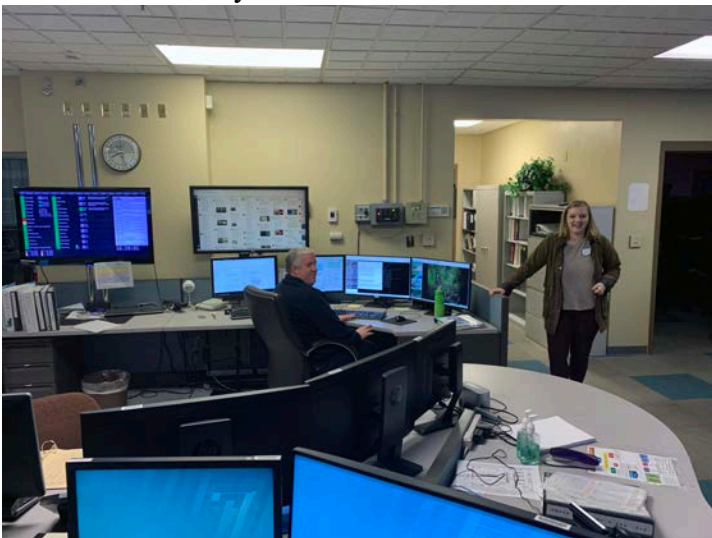
The “HAM” table. There are several ham operators.



This lady follows all social media!



This area is for all general weather



This person writes all aviation weather reports.

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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Immediate Past President

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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 4	MOD March for Babies	Linda Laseter KJ4CTX
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	7.180		As needed
(Center for United States Earthquake Consortium)			

3980 kHz – Tennessee Phone Net

Mon-Fri - 5:40 AM, 6:45 AM & 6:30 PM

Saturday - 8:00 AM & 6:30 PM

Sunday - 8:00 AM only

Holidays - 8:00 AM only

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)



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

Joe Miller
 Owner

**Advertisement forms can be downloaded
 from our website –**

<http://deltaclub.org/aboutUs.html>