

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 32 * September 2018



Delta Amateur Radio Club (DARC)

Sparks Newsletter

Website: deltaclub.org

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

W4BS

REPEATER SYSTEM

146.820 ^{-107.2}	* 147.360 ^{+107.2}
146.625 ^{-107.2}	443.200 ^{+107.2}
224.420 ^{-107.2}	
144.390 Digipeater	*Fusion

This month's meeting begins at 7 pm on September 11, 2018, at Ellendale Church of Christ, 7365 Highway 70 Memphis, TN (1 ½ miles north of Highway 64 (Stage Road)).

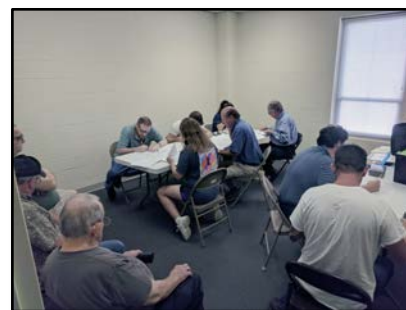
Carrie Blackwell KN4LCU will present “**A Teacher’s Trip to W1AW**” for our program this month.

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 2018 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](mailto:Jeff.Krause@deltaclub.org), or call at 901-301-6776.

Congratulations to those who passed exams during Delta's August 2018 test session:

Marc Gwin AG5QY, Extra; Samantha Melton KN4ONQ, General; Jeremiah Mazurck KN4ONR, Technician; John Karney KN4ONS, Technician; Frank Peyton KN4ONT, General; Charles Humphreys KN4ONU, Technician; and Joseph Plunk KN4ONV, Technician

We had eight applicants for new or upgrade licenses at the August VE session!



President's Corner

Submitted by Steve Frazier, KK4VPT

The Huntsville HamFest is always a great trip and this year it was also profitable for Delta Club. As you can see in the financial update, we took the remaining items from the most recent estate sale to Huntsville and came back with \$1189. While it is always nice to bring back goodies from Huntsville, it was also nice to bring back a nice amount add to the Delta Club account. With the items we sold at the August club meeting, this estate sale has brought in over \$3200. Between the bus trip to Huntsville and the estate sale, August was a rewarding month in several ways. Thanks to everyone who helped make all this happen.

I am KK4VPT and I approve this message.

Yes, it is time to start thinking about the Delta Club elections in November. As always, all the positions on the board are available. After 3 years as treasurer, Linda Laseter has decided to give someone else the opportunity to be treasurer. So, the position of treasurer is available if you are interested in adding your name to the ballot in November. Please contact any of the current board members if you have any questions or would like your name added to the ballot for any position.

I hope you were able to join us supporting the MS 150 bike ride to Tunica and back this year. I am sure after you hear about all the fun we had doing the MS 150, you will want to sign up for the Bluff City Blues bike ride that will be on October 6th.

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

73

Steve

KK4VPT

Treasurer's Report

Submitted by Linda Laseter KJ4CTX

Download the latest Delta Club [Membership Application Form](#). The 2018 membership renewal fee remains a very modest \$20 for an individual, with an additional \$5 fee for family membership. Thanks for Your Active Support of Delta Amateur Radio Club!

DELTA AMATEUR RADIO CLUB

Monthly Treasurer's Report

For month ended August 31, 2018

Submitted by Linda Laseter Treasurer

CHECKING ACCOUNT

BEGINNING BALANCE	
BEGINNING BALANCE as of August 1, 2018	\$4,145.36

INCOME		
Date		Amount
08/03/18	Huntsville Trip	\$ 65.00
08/10/18	Huntsville Trip	\$ 75.00
08/11/18	Huntsville Trip	\$ 75.00
08/14/18	Huntsville Trip	\$ 75.00
08/14/18	Shirt and patch sales	\$ 63.00
08/15/18	Membership	\$ 80.00
08/15/18	Hanover Ins claim payment	\$ 323.00
08/16/18	Huntsville Trip	\$ 65.00
08/16/18	Walton equipment sales	\$ 2,043.00
08/16/18	Huntsville Trip	\$ 65.00
08/18/18	Walton equipment sales - Huntsville	<u>\$ 1,189.00</u>
TOTAL INCOME		\$ 4,118.00 \$ 4,118.00

EXPENSES			
Date	Check #	Description	Amount
08/07/18	1457	Linda Laseter Prizes	\$ (78.89)
08/07/18	1458	Barry McDonald USB cable	\$ (16.98)
08/07/18	1459	Nashoba - Field Day expenses	\$ (141.02)
08/14/18	1460	Joe Lowenthal - 3 totes	\$ (26.19)
08/18/18	1461	Huntsville Ham Fest tickets	\$ (280.00)
08/17/18	1462	Hanover Ins - Liability insurance	\$ (200.00)
08/17/18	1463	Hanover Ins - Equipment insurance	<u>\$ (218.72)</u>
TOTAL EXPENSES			\$ (961.80) \$ (961.80)

ENDING BALANCE as of August 31, 2018 **\$ 7,301.56**

CERTIFICATES OF DEPOSIT			
	Maturity Date	Balance as of	
Certificate of Deposit #1	10/10/2018	7/31/2018	\$ 10,633.14
Certificate of Deposit #2	10/19/2022	6/30/2018	\$ 10,241.12
TOTAL DARC CASH ASSETS			<u>\$ 28,175.82</u>

DARC Board of Directors Meeting Minutes
September 4, 2018 -- Submitted by Mary Jean Hall KN4FBL

Attendees: Steve Frazier, KK4VPT, Bob Van Keuren, KM4SEB, Linda Laseter, KJ4CTX, Joe Lowenthal, WA4OVO, Bob Vawter, KW4RJ, Ed Taggard, K7EDT, Scott Adams, KM4PMU, and Barry McDonald, W5CJ

Absent: Mary Jean Hall, KN4FBL, and Len Grice, W4MKS.

- Steve Frazier called the meeting to order at 6:30 p.m. at the Ellendale Church of Christ.
- Linda L. read the Treasurer's Report.
- Linda L. reminded the board that a CD is maturing October 10, so the board discussed a few options with how to proceed. Linda informed the board of the new rates that are available. Since the mature date is after the October meeting, the board decided to make the final decision during the next meeting.
- Ed T. said that Carrie Blackwell would present during the September meeting. She will discuss her experience with the Teacher Institute and W1AW. He also discussed options for the rest of the 2018 presentations.
- Barry M. said that he and Joe have been contacted to handle items to sell from an estate. They are inventorying the items but mentioned that they thought it would be a good opportunity.
- Joe L. said that MARA has a swap meet on the first Thursday in October that we could sell items at. He also recommended that we email our list to inform everyone of the swap meet.
- Due to the success of sale at Huntsville this year, we will look at having a table again in 2019.
- Joe L. announced that he was looking at developing a General class soon.
- The only opening we will have that needs to be filled for next year is the Treasurer position. Linda said that at the moment, everything has been saved in QuickBooks, so it might not be a bad idea for the person to be familiar with it.
- The board also discussed some of the upcoming community service opportunities.

Without objection, Steve F. adjourned the meeting at 8:03 p.m. The next Board of Directors meeting is scheduled for Tuesday, October 2 at 6:30 p.m.

<p style="text-align: center;">Minutes of Last Month's Club Meeting August 14, 2018 Submitted by Mary Jean Hall KN4FBL</p>

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. Everyone then introduced themselves by name and call sign.

VE Testing

Jeff Krause announced that eight passed during tonight's VE testing session: one extra, two general and four technicians.

MS150

Darrell Sheffield, KK4D, informed the club about the upcoming MS150. The course runs from the Landers Center to Goldstrike, and then back again. He is looking for volunteers to help with communication in SAG trucks and at the rest stops. You do not have to commit to both days, though that would be appreciated. Everyone will meet about 6:30 a.m. and head to their stations from there. There will likely be six or seven rest stops and five to six AutoZone trucks. Even new hams are encouraged to participate; new hams will be paired with experienced hams. Ned Savage, KA4BLL, said that the 146.91 repeater will be used.

Huntsville HamFest Bus Trip

The Huntsville HamFest is August 18, 2018, and you can now make your reservation for the chartered bus ride! The price of the bus trip is \$75, and includes the bus ride, \$10 admission fee, 2 breakfast biscuits (bacon or ham), and drinks and snacks (water, sodas, cookies, crackers and fruit) for the bus trip.

During the HamFest the bus will back up to the loading dock, which will give you an option to sit in a nice, soft seat during the day should you need a break from the shopping. The bus will leave Huntsville right after the 4 p.m. drawing to return to Germantown by 8 p.m. The bus will leave from Germantown Baptist Church at 6:30 a.m. and should arrive in Huntsville by 9:30-9:45 a.m.

Bluff City Blues

Ken Laseter, KI4AOH, announced that the Bluff City Blues Bike Ride would be on October 6, 2018. Ken said to check Sparks for more details. It will be in Shelby Forrest close to Millington.

Secretary's Report

Ham Hilliard, W4GMM, moved to approve the previous meeting's minutes as published in Sparks. Bob Vawter, KW4RJ, seconded the motion. The minutes were unanimously approved by the club.

Treasurer's Report

Ham Hilliard, W4GMM, moved to approve the Treasurer's Report as recorded in Sparks. Ned Savage, KA4BLL, seconded the motion. The Treasurer's Report was unanimously approved by the club.

Presentation

For the August Club Meeting presentation, a silent auction was held from 7:26 p.m. – 7:55 p.m.

Drawings and Closing Remarks

One member won the drawing:

Scott Adams, KM4PMU, Chick-Fil-A gift card.

With no objection, Steve Frazier, KK4VPT, adjourned the meeting at 8:19 p.m. The next Delta Amateur Radio club meeting will be Tuesday, September 11, 2018 at 7 p.m. at the Ellendale Church of Christ.

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 meets at 6:00 pm upstairs at the Ellendale Church of Christ

In August Ham discussed “random wire” antennas.



Ham discusses long wire antennas during the Ham 101 session in August.

Following is the schedule for Ham 101 programs:

- September - Vertical Antennas
- October - Dipole Antennas
- November - Double Bazookas

There will be a CD available for \$3.00 if anyone wants one.

Delta Ham License Training, 2018

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 2018 from Delta Classes

34 Technician

3 General

7 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.

PLANNED CLASSES

The next General class will probably start in early November in the evenings.

The next Extra class will probably start in early January 2019 on Saturday mornings.

If you know anyone interested, 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.

CLASSES COMPLETED

Tech Class 3-18 June 28 – August 2, 2018

Tech Class 3-18 had 12 enthusiastic students meeting on six Thursday nights from 6:15-9:30pm at the EMHC Ambulance Company training room on Appling Farms Parkway. The instructors were Joe WA4OVO, Barry W5CJ, Carrie KN4LCU, Perry N4PSH, and Pat W4OQG.

The equipment demonstrators on August 2nd were Joe WA4OVO on repeater basics, Rick WA4NVM and Richard K4DXF on satellites, Pat W4OQG on HF/MARS/Winlink, John KN4BVH on ARES and Rick KJ4NWQ on APRS.



Tech Class 3-18 showing off their CSCEs.
Photo by Perry Hayes N4PSH

Congratulations to the 11 students who earned their Technician licenses: In photo from left to right standing: Rob Dyer KN4OEH, Robert Murry KN4OEF, Robert Cohn KN4OEP, Ian Lucas KN4OEK, Sylvia Lucas KN4OEJ, Kyle Fioranelli KN4OEL, Laura Matthews KN4OEM, Pierce Matthews KN4OEN, Brad Patterson KN4OEO, Rich Wilson KN4OEI, and seated Michelle Dach KN4OEG.

The WCARS VE team of Gary W5EMA, Perry N4PSH, David KM4SEC, Bill WC9S and Joe WA4OVO provided the test session.

Tech Class 2-18 February 24 – April 7, 2018

Tech Class 2-18 was held from February 24th to April 7th except March 10th and 17th on five Saturdays from 9am to 1pm or 9am to 4pm at EMHC ambulance company training room on Appling Farms Pkwy. There were nine students in the class with five finishing testing.

Congratulations to Carrie Blackwell KN4LCU, Phillip Green KN4LCT, Jim Hambrick KN4LCS, David Robertson KN4LCW and John Volmer KN4LCV for earning their Technician licenses. Additional congratulations to Phillip KN4LCT and John KN4LCV for advancing to the General Class license.



Tech Class 2-18 taking their exam:(from left to right) David Robertson, John Volmer, Phillip Green, Jim Hambrick, and Carrie Blackwell
Photo by Joe Lowenthal WA4OVO

The WCARS VE team of Gary W5EMA, David KV4QI, Perry N4PSH, Denise KM4IRR, Bob KW4RJ and Joe WA4OVO provided the test session.

The instructors were Joe Lowenthal WA4OVO, Barry McDonald W5CJ, Pat Lane W4OQG, David Webb KV4QI, Len Grice W4MKS, Perry Hayes N4PSH, and John Reiners KN4BVH.

The equipment demonstrators on April 7th were Joe WA4OVO on repeater basics, Rick Tillman WA4NVM on satellites, Pat Lane W4OQG on HF/MARS/WinLink, John Reiners on ARES and Rick Pellicciotti on APRS. Michael Knight KK4IOH gave an EchoLink, D-STAR, and DMR digital presentation on March 24th.



Tech Class 2-18 with Barry W5CJ instructing
Photo by Joe Lowenthal WA4OVO

Extra Class 1-18 January 13 – February 24, 2018

Extra Class 1-18 was held on 5 Saturdays and one Sunday from January 13th to February 24th from 9am to 1pm on four Saturdays, 1-5pm on Sunday January 28th, and at 2:30 on Saturday February at EMHC ambulance company training room, 4th for FCC testing. All classes were at EMHC ambulance company, 6972 Appling Farms Pkwy. There were 10 students taking the class with two recent Extras auditing the class.

The students were Dan KN4FBJ, Janet KN4FBI, Billy K4IOA, Jim KN4GJF, David KM4SEC, Todd W4RTV, Ed K7EDT, Mac KJ4EHE, Carlos KK 4CRO, and Robert KN4FVT. The auditing Extras were Nathan KX4IA and Rick WB9TCB.

Congratulations to Carlos KB4C) (previously KX4IS and KK4CRO) and Todd W4RTV for their Extra upgrade at the February 13th Delta Club test session. Congratulations to Robert Horn KN4FVT, David Jackson KM4SEC, Ed Taggard K7EDT, Mac Tidwell KJ4EHE, and Dan Wehner KN4FBJ for their upgrade to Extra.

Thanks to the Delta Club ARRL team for providing the FCC test session. The VEs were Jeff AJ4GY, Stacy KJ4MDA, Perry N4PSH, Barry W5CJ, Tom KK4ZZZ, Bob KW4RJ, David KV4QI and Joe WA4OVO

The instructors were Joe Lowenthal WA4OVO, Paul Roberts KA9VAU, Dean Honadle N2LAZ, Barry McDonald W5CJ, David Webb KV4QI, and Pat Lane W4OQG.

Tech Review for CBU January 29, 2018

A Tech Review class was held on January 29th for 18 Christian Brothers University students in the initial Engineering Department upper division elective course, Introduction to Unmanned Aerial Systems. All 18 students earned their Technician license while one also earned her General Class license. The students were either Electrical or Mechanical Engineering majors. Eric Welch WD5FTA is the professor. He is Department Chair of Electrical and Computer Engineering.

Thanks to the Laurel VEC team led by Tim Jones N5PYQ for providing the VE session.

Huntsville HamFest Pictures



Great socializing on the bus!
Photo by Len W4MKS



BIG crowd!



David KD4NOQ browsing



Ed K7EDT, Tom KM4AEM &
Carrie KN4LCU

Photos by Ed K7EDT

YL News
Submitted by Linda Laseter, KJ4CTX

September 2018

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.

Can you believe that this month the YL Net is celebrating its second year on the air!!!! Way to go YL's and a great big thank you to all the OM's that have and are supporting us. We appreciate everyone who joins us each Saturday night.

Welcome to the latest two YL's to join the YL Net....Sylvia KN4OEJ and Mary Jean KN4FBL. We are so glad you joined us and sincerely hope you will continue to check-in as often as possible.

We enjoy checking in each Saturday night just to see who will join us. We hope you will set your alarm for 8:45 p.m. Saturday night and join in the fun.

YL LUNCHEON – The August luncheon was held on the 25th at the Ellendale Church. This month's menu was homemade chicken salad, tuna salad, and macaroni salad and cookies for dessert. Did I say dessert! I saw at least two OM's munching on cookies before lunch was served. The cookies were really good.

If you missed this month you missed a good presentation on First Aid and helping someone in an emergency situation. We watched a short video and then yours truly (Linda KJ4CTX) presented a PowerPoint presentation covering the Emergency Medical System and different emergency situations. There were several questions and excellent participation by those in attendance. After the presentation Betsy KD4KOM showed the group an emergency kit that would be very handy to have in your car or your home as well as other items you might keep in an emergency kit or have on hand for an emergency. Barri WB4SWP and Linda KJ4CTX briefly demonstrated ways to bandage or secure broken arms and legs.

Congratulations to Doris KJ4THA on winning the door prize for August (a car trunk bag for your groceries complete with insulated section for cold items).

YLS this is your chance to make new friends, share ideas, ask questions, and learn something new. Not to mention all the fun and food you are missing. We would love for you to join us!



Doris KJ4THA, door prize winner



YL Luncheon, August

Please note that we have changed the luncheon location

September luncheon will be:

September 15, 2018

11:30 a.m.

Saturday

Olive Garden Wolfchase

Hwy 64

Amateur Hardware Update

Article and image submitted by James Butler, KB4LJV

Many hams have test equipment to help them work on their own radio equipment. The Oscilloscope is a very useful piece of equipment for trouble shooting problems. Older oscilloscopes are cheaper now to buy. One of the biggest wear items on older scopes are the probes used to test equipment with. The wiring on these probes get torn and tips wear out from use. Oscilloscope probes use to cost from \$50 to \$100 to replace. Now you can buy replacement probes off of eBay for less than \$6. They have the BNC connector for the scope connection along with the fine probe tip and the clip on adaptor for hooking on to electronics. The probes have the compensation capacitor adjustment on the cable for perfect waveform viewing. They also have the switch on the probe for 1X or 10X attenuation of the voltage level. If you need a new set of probes for your oscilloscope check these out. Go to Ebay and do a search for “oscilloscope probe”.

James Butler
KB4LJV



Amateur Packet Update
Submitted by James Butler, KB4LJV

The ARRL offers lots of book for sale on different Amateur Radio subjects. One of the new books they offer are ham radio projects using the Arduino microprocessor. The book titled “More Arduino Projects for Ham Radio” is the second book in the series authored by Glen Popiel KW5GP. It has 15 more projects you can build. These projects include a VFO, 40 meter transceiver, and an Antenna Analyzer and others. The book has great projects for those who want to learn about the Arduino microprocessor and how it is programmed. To check out the book go to the ARRL website. The web address is <http://www.arrl.org/shop/More-Arduino-Projects-for-Ham-Radio/>

James Butler
KB4LJV

DAY IN THE PARK-October 6th

The ARRL Mississippi Section is sponsoring their Day in the Park on October 6, 2018; from 9am-2pm at the pavilion in Olive Branch City Park, 8856 City Park Drive, Olive Branch, MS. (The GPS location is 34.961510, -89.838486 in EM54bw on the south side of the north lake in the park.) There will be tailgating/swapshop spaces, eyeball QSOs, HF GOTA station, and food and refreshments, as well as, a number of nice door prizes to be given away. A VE testing session will be at 10am. Talk-in will be on the 147.255 repeater, +600, PL 79.7.

The coordinating clubs are the Chickasaw Amateur Radio Association and the Olive Branch Amateur Radio Club. For more information, contact chairman Glen Popiel glenpopiel@gmail.com, 662-404-0808.

Glen would like anyone who plans on attending, to send him an email. That is so he can have a better feel for the number of people who will attend to try to insure there is enough food or refreshment for all the hams. If you would like to help out, also send Glen an email.

Bluff City Blues Bike Ride 2018

We need your help! We are planning to provide communications for the 2018 Bluff City Blues 100-mile bike ride sponsored by the Memphis Hightailers. This is a fully marked 100-mile ride from 4241 OK Robertson Road (Start/Finish) up through Shelby Forest and areas another 25 miles or so north of there, and back. There is a lack of decent cell phone coverage in many parts of the route and they are concerned that someone might break down or need help and not be able to contact anyone.

The course consists of five (5) SAG stops and will be supported by at least three (3) SAG vehicles. We could use about eighteen (18) volunteers. Ten or so to man the stationary SAG stops, three or four to ride SAG vehicles, and a couple or three to provide net control. We plan to use the Delta Club 146.820 repeater with a – offset and a 107.2 PL tone. Mobile radios will work best, handi-talkies may be a little weak in some areas of the northern course.

The ride will be **Saturday, October 6st, 2018**, starting at 7:30 am and ending at 4:30 pm. I will plan to be at the Start/Finish at 6:00 am. Again, we need about 18 volunteers to cover the event. If there is any way you can help, please text **Kenneth Laseter** directly at **901-487-9103** or email me at kenlaseter@gmail.com. If you call, and I do not answer, please leave me a message and I will get back to you.

I plan to make an announcement about this event at the September 11th Delta Club meeting and will have a Volunteer Roster available if you want to sign up then. For more information about the event, including maps, got to www.bcb100.com.

Thanks,
Kenneth Laseter
KI4AOH

National WWI Museum and Memorial to host special event station WW1USA

Submitted by Bob KM4SEB

The National WWI Museum and Memorial is teaming with area amateur radio operators to host special event station **WW1USA from 10 a.m. to 5 p.m on September 29/30**. During this time, station operators will contact hundreds of other amateur radio operators across the world. Individuals are welcome to serve as a guest operator of WW1USA at any time with all guests receiving a special amateur radio operator certificate. FREE to the public. Organizations interested in serving as host clubs in 2018 may contact Herb Fiddick at ww1usa@theworldwar.org.

The operation dates of WW1USA often coincide with other events held at the Museum highlighting lessons from the first worldwide war. The public is invited to share the experience by stopping by the station site (outdoors in the spring/summer and indoors in the winter). Amateur radio operators from the Kansas City region will be on hand to answer questions about the station and amateur radio, while Museum volunteers will be available to answer historical questions and to provide information about the Museum.

QSL with WW1USA is available by mail with SASE or other postage provided or via eQSL. On special event weekends, a link will be provided to request a special emailed certificate commemorating your contact with WW1USA.

All Amateur Radio operators who present an operator license on any of the above dates will receive \$5 admission to the Museum for themselves and up to three guests.

The previous years for WW1USA have proved to be incredibly successful! Through 2017, WW1USA has logged contacts with more than 18,000 amateurs in all 50 United States, 11 of 12 Canadian Provinces, and in 90 countries worldwide. The station has replied to more than 1,200 QSL requests with sase and eQSL. More than 300 operators from the Kansas City region participated in the operation of WW1USA. More than 1,200 amateurs throughout the world requested and received emailed contact certificates, and lookups on QRZ.com exceeded 50,000 at the end of 2017.

These results mean that we are achieving the mission to raise awareness of the Great War centennial, furthering the National World War I Museum and Memorial's mission of teaching the history and lessons of the war, and providing a positive image of Amateur Radio and expanding awareness of it. None of this would be possible without the fraternity of amateur radio operators the world over, particularly those in the Kansas City region. The success of WW1USA is a credit to their contributions.

ARES Amateur Rescue Emergency Service

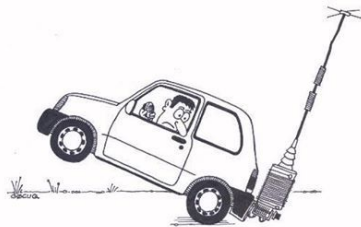
If you are interested in joining Shelby County ARES, complete an application at www.tnares.com. Click (do not pull down) on INFORMATION on the top right of the page. Then, go to TN ARES Membership and Appointment Application Forms and then click on ARES Membership Application: FSD-98. Complete the form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

Amateur Radio Humor

If you're a Ham Radio operator:

- You're a ham if you check a potential new car for rig and antenna mounting possibilities even before you take it for a test drive.
- You're a ham if, whenever you visit ANYONE'S house, you look at the height and spacing of trees for dipole stringing potential.
- You're a ham if, when someone asks you to spell your last name, you do it with phonetics. (Juliette India Mike Bravo Oscar Bravo)
- You're a ham if, when you are watching a movie that shows someone operating a radio, you will loudly and indignantly proclaim the inaccuracies in the portrayal.
- And,

Texting in the 1800's : • - • • - - - • - • •



Reminds me of Tom AC5MR



Hmmm

From a local educator:

I've been referencing Sparks for a communication and technology seminar I'm teaching at my local library. We hold different seminars every week and they have been a big success! We like to focus on technology based lessons, since the younger generation will be using it for the rest of their lives. (I wish we had classes like this when I was still in school!)

Right now we're learning all about the history of communication and the evolution of telecommunication. The kids loved learning about the telegraph...it's so foreign to them- haha!

We asked the group to do some research on their own, and they found these guides:

<https://careergps.mass.edu/history-of-morse-code>

<https://www.mhelpdesk.com/field-service-management-guide-telecommunications-timeline/>

I'd love to show the group they're helping educate others out there and keeping history alive!

Don Smith

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>.

2018 Board of Directors

President

[Steve Frazier, KK4VPT](#)
901-218-6385

Vice President

[Bob Van Keuren, KM4SEB](#)
901-853-0303

Secretary

[Mary Jean Hall, KN4FBL](#)
901-356-1475

Treasurer

[Linda Laseter, KJ4CTX](#)
901-268-1766

Director of Training

[Joe Lowenthal, WA4OVO](#)
901-628-4318

Director of Publications

[Bob Vawter, KW4RJ](#)
901-438-4563

Director of Programs

[Ed Taggard, K7EDT](#)
480-225-7327

Director of Meetings & Special Events

[Scott Adams, KM4PMU](#)
901-573-6280

Repeater Trustee

[Barry McDonald, W5CJ](#)
901-853-0510

Public Information Officer

[Len Grice, W4MKS](#)
901-522-6711

Immediate Past President

[Ken Laseter, KI4AOH](#)
901-487-9103

Public Service Events

If you are a coordinator for any of these events, please review the listed information. Please [email](#) corrections or additions.

2018 Date	Event	Contact Information
Jan. 14	Swamp Stompers 50K/25K Run	Keith Barton, KT4EP
May 5	March of Dimes March for Babies	Linda Laseter, KJ4CTX
Sep. 8-9	2018 Bike MS: FedEx Rock-N-Roll	Darrell Sheffield, KK4D
Oct. 6	Bluff City Blues 100 Ride	Kenneth Laseter KI4AOH
Dec. 1	St. Jude Marathon	Roger Schlichter, WR4R

Area HamFests

January 26-27	Capitol City Hamfest in Jackson, MS
February 9-11	HamCation 2018 in Orlando, FL
February 17	LCARC's 2018 Winterfest in Hoxie, AR
March 2-3	BirmingHAMfest 2018 in Birmingham, AL
March 24	Ides of March HamFest in Union City, TN
April 14	Memphis FreeFest in Bartlett, TN
May 18-20	Hamvention in Xenia, OH
July 28	Greater Nashville & Middle TN HamFest in Lebanon, TN
August 18-19	Huntsville HamFest in Huntsville, AL

Tennessee Ham Radio License Plate

Submitted by Joe Lowenthal, WA4OVO

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>

- As of July 1st, 2017, you must send a copy of or show an ARES membership card to keep from paying the \$25 surcharge for new plates or renewals. If you send a renewal in by mail with the lesser amount and do not include a copy of your ARES membership card, they will return your renewal and check due to insufficient funds.
- If you want to become an ARES member, complete an ARES Registration Form FD-98 on the TNARES.com website. Then click on Information in the upper right. Scroll down and click on ARES Membership Application: [FSD-98](https://docs.google.com/forms/d/e/1FAIpQLSekaoB6a2YrGNKoSvCq1M7UST9aE_RwnewMuT-DfgYmWJ_QRg/viewform).
https://docs.google.com/forms/d/e/1FAIpQLSekaoB6a2YrGNKoSvCq1M7UST9aE_RwnewMuT-DfgYmWJ_QRg/viewform
- If you are not an ARES member and you do not want to pay the \$25 surcharge for renewal, you can get a regular plate for no additional charge. You will need a copy of your previous registration or there is an additional \$3 charge.
- If a spouse is also a ham, only one of the couple needs to be an ARES member if the auto is registered in both names. If registered in the spouse's name, the spouse must have an ARES membership card.

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 and listed below:

Amateur Radio

- Available to: Tennessee residents who hold an official FCC-issued amateur radio license (unrevoked and unexpired).
- Documentation Required: Application supported with copy of the FCC Amateur Radio license.
- Cost: Annual fee of \$51.50; Members of emergency, rescue squad and Amateur Radio Emergency Service - \$26.50.

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
Super Sunday Niner Net	927.6125	- (146.2)	8:30p	Sun

Delta Club sponsored Nets are shown in red.

TENNESSEE HF NETS

As of January 2018
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

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

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C - 901.230.3043
Joe.Miller@cfafranchisee.com
chick-fil-a.com

Please thank our sponsors by using their services and mentioning that you saw their ad in the Delta Club SPARKS Newsletter!

We offer our continued thanks to EMHC ambulance company for generously providing their training room for the many ham radio classes given there.

Advertisement forms can be downloaded from our website – <http://w4bs.org/aboutUs.html>