

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 35 * December 2018



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}

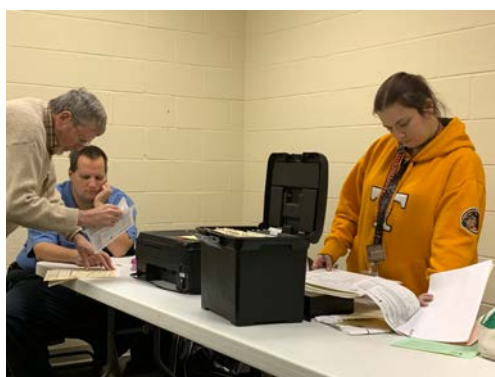
224.420^{-107.2}

144.390 Digipeater *Fusion

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

This month we will have our yearly **pot luck dinner**. The club will furnish HAM (of course!) and drinks. Everyone attending is asked to bring side dishes or dessert dishes.

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@AJ4GY), or call at 901-301-6776.

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

Extra-KX4OJ was KN4OEM Nicholas Butler, General-KI5CHV James Bailey, Technician KN4QNT Todd Asadoorian, KN4QNU Eric Carr, KN4QNV Carolyn Horne, KN4QNW Paul Kundrick

President's Corner

Submitted by Steve Frazier, KK4VPT

Thanks to everyone who helped with the St Jude Marathon this year. It was good to see and hear all of you who were able to participate this year. This year the weather, changes to the course and adding the commercial radios presented us with new challenges that became opportunities for us to show we could meet the challenges.

I am looking forward to the December Pot Luck meeting. While all of our meetings are a good chance for us to get together once a month, the December meeting is even more for friendships and of course good food. This is a good time to bring a friend or family member to show them more about the amateur radio community.

As she has for the past few years, Linda Laseter, KJ4CTX, has several door prizes for the December meeting. Linda is stepping down as Treasurer which she has done for 3 years now. She has done a great job as Treasurer and I am betting with all her free time now she will continue to be a key member at the Delta Club with her active participation at events and meetings. Linda has been a major factor in starting and developing the YLs at Delta Club and I look forward to see what Linda will lead this valuable part of our club to contribute to the club.

If you would like to renew or start your Delta Club membership, you can do that at the club meeting or mail it in. We do appreciate your support which has helped Delta Club continue to not only be a place where we can share and grow our interest in amateur radio, but also be a valuable part of our community.

I look forward to seeing you at the meeting and hearing you on the net between the meetings.

73

Steve

KK4VPT

Treasurer's Report
Submitted by Linda Laseter KJ4CTX

DELTA AMATEUR RADIO CLUB

Monthly Treasurer's Report

For month ended November 2018

Submitted by Linda Laseter Treasurer

CHECKING ACCOUNT

BEGINNING BALANCE		
BEGINNING BALANCE	as of November 1, 2018	\$9,605.76

INCOME			
Date			Amount
11/12/18	Franklin Estate Sales	\$	20.00
11/11/18	Membership 2018	\$	5.00
11/14/18	Donation	\$	20.00
11/13/18	Membership 2019	\$	440.00
TOTAL INCOME		\$	485.00

EXPENSES				
Date	Check #	Description		Amount
11/02/18	1472	US Postal Service PO Box rental - 1 year	\$	(182.00)
11/13/18	1473	Ken Laseter Door prizes	\$	(196.63)
11/13/18	1474	Linda Laseter Door prizes	\$	(106.61)
11/13/18	1475	Scott Adams Coffee	\$	(18.37)
11/13/18	1476	Joe Lowenthal Jackson HF & drinks	\$	(113.14)
TOTAL EXPENSES			\$	(616.75)

ENDING BALANCE as of November 30, 2018 **\$ 9,474.01**

CERTIFICATES OF DEPOSIT					
	Maturity Date	Balance as of			
Certificate of Deposit #1	1/14/20	11/30/18	2.23%	\$	10,665.33
Certificate of Deposit #2	10/19/22	10/31/18	1.60%	\$	10,282.24

TOTAL DARC CASH ASSETS **\$ 30,421.58**

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

Attendees: Steve Frazier KK4VPT, Bob Van Keuren KM4SEB, Mary Jean Hall KN4FBL, Linda Laseter KJ4CTX, Joe Lowenthal WA4OVO, Bob Vawter KW4RJ, Scott Adams KM4PMU, and Barry McDonald W5CJ

Absent: Ed Taggard K7EDT and Len Grice W4MKS

Guests present: David Jackson KM4SEC

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

Linda L. read the Treasurer's Report. She informed the board that one of the CDs had been rolled over. The board also discussed a donation for the Ellendale Church of Christ to show the club's gratitude for use of the facility.

David Jackson KM4SEC, the Treasurer-elect for 2019, updated the board on the progress of finding a computer for Treasurer-related duties, as well as the transition progress for the role.

Bob V.K. reflected on the successfulness of 2018, such as with event turnout and consignment opportunities.

Bob V. informed the board that he had the materials for the Ham of the Year and New Ham of the Year certificates. To conserve time and finances, the board decided that the other groups would be recognized and asked to step forward for a photo at the meeting. Bob V. said that he would list the recognized individuals in Sparks, too.

Scott A. said that, pending the purchase of a few items, everything should be ready for the potluck-style meeting next week.

Joe L. said that there are currently 11 students in the General Class and they will test on Thursday, Dec. 13. An Extra Class is scheduled from January 5 – February 16, 2019, except January 26, from 9 a.m. – 1 p.m. at the Northeast Police Precinct on Appling Farms Parkway. A Technician Class is scheduled from February 23 – April 6, 2019, except March 15, and the location is TBD.

The board discussed upcoming opportunities to sell consignment items.

Barry M. told the board that on December 1, the Germantown 146.625 repeater was used for National Weather Service Skywarn Recognition Day and was linked to 145.45. Everything went well with the repeater.

Without objection, Steve F. adjourned the meeting at 7:49 p.m. The next Board of Directors meeting is scheduled for Tuesday, January 1 at 6:30 p.m. at Ellendale Church of Christ.

Minutes of Last Month's Club Meeting

November 13, 2018 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. Steve recognized the veterans in attendance and asked them to stand by era served. Each veteran then introduced himself or herself by name, call sign and branch served. Everyone else attending then introduced themselves by name and call sign.

Training

Joe Lowenthal WA4OVO announced that there are currently 11 students in the General Class. An Extra Class is scheduled from January 5 – February 16, 2019, except January 26, from 9 a.m. – 1 p.m. with the location to be determined. Six students will need to sign up to hold the class. A Technician Class is scheduled from February 23 – April 6, 2019, except March 15, 2019.

In December, anyone interested in testing is welcome to attend the General Class testing session on December 13 at EMHC. Preregister with Joe at wa4ovo@gmail.com with "FCC Testing" in the subject and your name, email address, phone number and call sign in the body.

Announcements

Joe Lowenthal WA4OVO told the club about another round of consignment equipment for sale, which includes some radios and lots of testing equipment. He, along with some other members, will take the equipment to upcoming events, including the Jackson, MS Hamfest in January.

Swamp Stompers

Ken Laseter KI4AOH announced that Swamp Stompers is Sunday, January 20, 2019 and volunteers are needed. Swamp Stompers is a 50K cross country race in Meeman-Shelby Forest State Park. Given the terrain, mobile radios are preferred for communication. Typically, the ham volunteers meet early for breakfast, which is when they will receive a map and assignment for the race. Anyone interested in volunteering needs to sign up or contact Ken.

VE Testing

Jeff Krause AJ4GY said that tonight's VE testing produced six new licensees: five technician and one extra. No testing will occur before the regular meeting in December. Instead, anyone wishing to test needs to attend the General Class testing session on December 13 at EMHC.

HQ 101

Ham Hilliard W4GMM said that the antenna series finished up tonight, and he reminded everyone that they will not meet in December. He plans to discuss HF radios in January and CW in February.

Starting in January, the meeting time has been moved up to 5:30 p.m. He encouraged anyone with ideas to email him at w4gmm@belsouth.net.

Board of Directors Election

Steve Frazier KK4VPT asked if there were any new nominees for the Board of Directors. No additional nominations were made.

Ham Hilliard W4GMM moved to accept the 2019 Board of Directors as published in Sparks by acclamation. Ken Laseter KI4AOH seconded the motion. Steve Frazier KK4VPT then called for a vote. The club unanimously approved the following for the 2019 Delta Amateur Radio Club Board of Directors:

President – Steve Frazier KK4VPT

Vice President – Bob Van Keuren KM4SEB

Secretary – Mary Jean Hall KN4FBL

Treasurer – David Jackson KM4SEC

Director of Training – Joe Lowenthal WA4OVO

Director of Publications – Bob Vawter KW4RJ

Director of Programs – Ed Taggard K7EDT

Director of Meetings and Special Events – Scott Adams KM4PMU

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. Ken Laseter KI4AOH seconded the motion. The minutes and the Treasurer's Report were unanimously approved by the club.

Break/Presentation

Steve Frazier KK4VPT called for a break from 7:21 p.m. to 7:33 p.m. Ed Taggard K7EDT played a video exhibiting how to increase chances of finding a lost smartphone.

December Potluck

Steve Frazier KK4VPT reminded everyone that the December club meeting would be a potluck dinner. The club is providing ham for the main course, and everyone is encouraged to bring a side dish, such as a vegetable or dessert.

Drawings

Several members won prizes:

Rick Tillman WA4NVM, hard case; Mary Jean Hall KN4FBL, fleece blanket; Danny Banks KJ4FXZ, screwdriver set; Andrew Dandridge KC0BDX, LED flashlight; Pat Lane W4OQG, antenna; Tom Ernst N4LIA, grinder; Betsy Freeman KD4KOM, \$10 Outback gift card; Tom Dichiara AC5MR, \$25 Outback gift card; Rick Martin K4DXF, Top Brass Permit class certificate; Joe Lowenthal WA4OVO, Shoot Point Blank \$40 gift certificate; Glen Ellis K4KKQ, Shoot Point Blank range pass; John Volmer KA4LCV, Top Brass range pass; James Hays KJ4JVZ, two Range USA range passes; Keith

Fronk WX4EMT, two Range USA range passes; David Jackson KM4SEC, saw; Jim Cissell KI4I, 32" LED TV.

Ham Hilliard W4GMM moved to keep all of the tickets from the drawings throughout the year and add them to the final drawing, but still require anyone to be present to win. After receiving a second, the club voted unanimously to approve the motion.

Closing Remarks

Ham Hilliard W4GMM moved to adjourn the meeting. Jeff Krause AJ4GY seconded the motion. With no objection, Steve Frazier KK4VPT adjourned the meeting at 8:01 p.m. The next Delta Amateur Radio club meeting will be Tuesday, December 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 will not meet in December, but will resume at 5:30 pm on January 8, 2019 and the discussion will be HF radios and operation.

In November, Ham discussed antennas with this wild and spirited group!

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

Extra Class 1-19

The next Extra class is in the planning stage to start January 5th through February 16th excluding January 26th (Jackson MS HamFest) on six Saturday from 9am-1pm. Four students are registered at time of writing. We need a total of six students to register by December 15th to have the class. Otherwise we will work on the next Technician class. The location will be at the Memphis Police Department Northeast Precinct, Appling Farms Station, at 6850 Appling Farms Parkway.

Tech Class 2-19

The next Technician class will probably start in late February 2019 for six weeks either on a Monday or Thursday week nights or Saturdays unless the Extra Class does not materialize. 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.

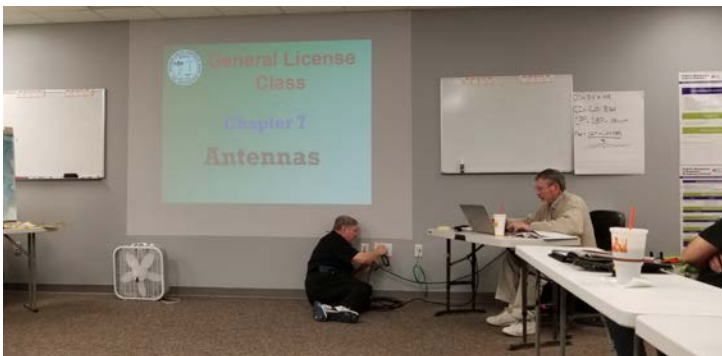
CURRENT CLASS

General Class 4-18 November 1 – December 13, 2018

General Class 4-18 is being 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 started with eleven continuing in the class. The instructors are 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 will provide the FCC testing session at 7pm on December 13th.



General Class 4-18 with Barry W5CJ leading the section



Len W4MKS is holding the HDMI cable to keep General Class 4-18 going for Joe WA4OVO.

Photo by Jim Martin KD4FUU

COMPLETED CLASSES

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 CSEs. 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 KN4OEH, 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.

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.

HOW TO PRINT YOUR FCC LICENSE

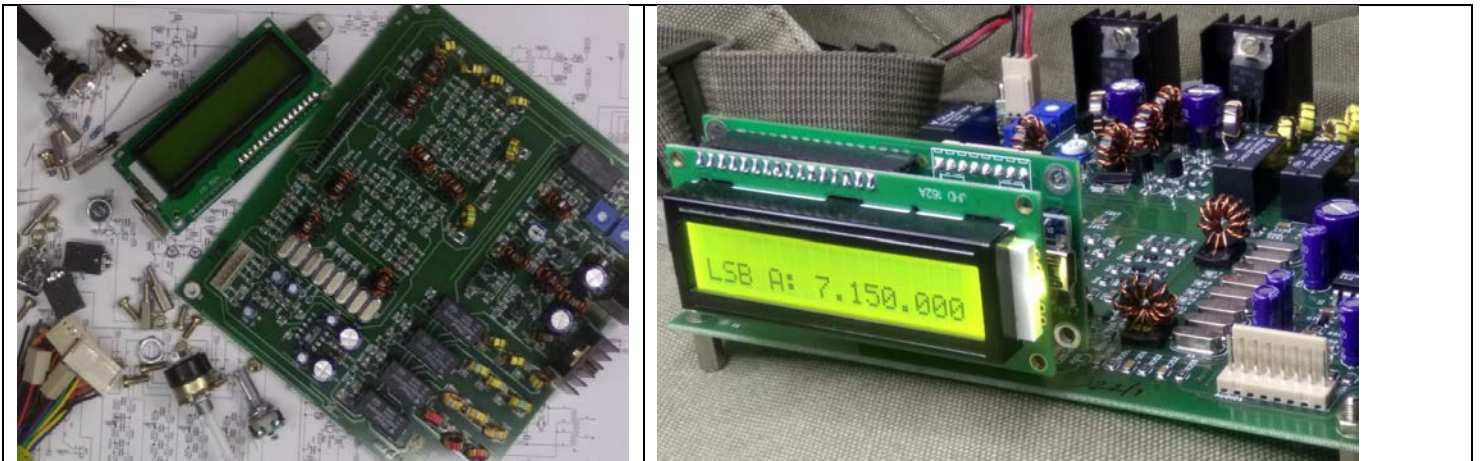
1. Go to fcc.gov/uls
2. Go to OnLineFiling box, Click on LOG IN
3. Enter your FCC Federal Registration Number (FRN) and Password
 - a. If you do not know your FRN, go to Search box and click on License
Click on Amateur; Enter your callsign in Callsign box;

Your FRN is in center of page after your name
 - b. If you do not know your Password, click on Contact Tech Support after Forgot your Password
4. 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](#)”
5. In Under Download Authorizations screen, highlight your callsign in the My Authorization area at the bottom left.
6. Click on ADD to right of the highlighted callsign.
7. Highlight your callsign in Authorization to Download and then click on Download on bottom right of screen.
8. If pop-ups are blocked, click on Allow One
9. Click Open at bottom.
10. Print your License.

Amateur Hardware Update

Article and image submitted by James Butler, KB4LJV

Many times we like to build up our own equipment. New radio transceiver kits are available from many companies. One company offering the most radio for the dollar is HF SIGNALS. They offer a CW/SSB transceiver that operates from 3 to 30 MHz. They call it the “micro” bitx. It has dual VFOs, RIT, CW Keyer and much more. The output is about 10 watts. The unit also works as a general coverage receiver. The micro controller is the Arduino Nano. The analog receiver has a 45 MHz roofing filter and 8 crystal SSB filter. The radio can also operate digital modes like PSK31. The best part of this kit is the main board is completely assembled and tested in India by a collective of women. All toroids are hand wound and also mounted on the board. You mount the display, controls, etc., in your own case and wire them up. Amateurs have wired these up and had a working radio in under 5 hours. They even include a microphone for SSB. This kit offers so much and is so popular they are trying to keep up with the order volume. If you want to build a small all in one QRP rig check this one out. All information on this kit is on their website. It is <http://www.hfsignals.com/>



Amateur Packet Update

Submitted by James Butler, KB4LJV

Many Amateurs like to run HF digital modes. Unlike the old days Amateurs constantly come out with new modes optimized for different band conditions. A nice book that the ARRL has is called “Get On The Air With HF Digital”. The book is a step by step guide to digital operation on HF. It covers modes like RTTY, PSK31, and JT65. It also covers modes like MFSK, Olivia, and Pactor. The book contains digital articles from QST magazine for additional information. This book offers a lot of great information for the digital modes. Do a search on ”Google “ to find the your best price on this book.

James Butler KB4LJV

YL News
Submitted by Linda KJ4CTX

December 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.

GENERAL NEWS - we continue to have great representation by the YL's at the Delta Club monthly meeting. A total of twelve YL's attended the November meeting.

We would also like to recognize and welcome Kathy KE4UYU who was the first female president of Delta Club. Kathy was president in 2000.

YL LUNCHEON – For those of you who were not able to join us for our November luncheon you missed a really good time. Betsy KD4KOM hosted a potluck luncheon at her home in Oakland. We had more food than we could possible eat. Thank you so much Betsy for hosting this luncheon. After lunch we put our crafting hats on and made a candy cane tree ornament from beads and pipe cleaners and then moved on to making some very unique Christmas tree ornaments from clear Christmas balls and paint. Though some were not sure of their crafting abilities everyone had lots of fun and enjoyed the day.

Sylvia KN4OEJ won the monthly door prize which was a set of cute little Santa Claus men. Janice KX4BB won the drawing for checking in on the net during 2018 (a nice basket of kitchen items), and Jackie KG5DMW won a nice basket with kitchen and bath items for attending one or more luncheons in 2018. You receive a ticket for each luncheon you attend and a ticket each time you check in on the net. So the more you participate the greater your chances of winning the annual drawings.

Next we had a short business meeting. We voted to continue the monthly door prize drawings and the annual drawings for attendance and for checking in on the YL Net. It was suggested that we should be present at the November luncheon to win the annual prizes. This suggestion was voted on and passed. We also voted not to have annual dues but to donate \$1 or \$2 at each restaurant luncheon to offset the cost of the door prizes and continue to have a donation jar at each program luncheon to offset the cost of the food.

We are participating in Free Fest again this year and one or two of our meetings after the first of the year will be devoted to making items we will sell in our FreeFest booth. This should be lots of fun! 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!

NO DECEMBER LUNCHEON



Betsy KD4KOM, Janice KX4BB,
Ann WB4FAA, Behind Ann – Gale
KI4VDI, Sylvia KN4OEJ, Doris
KJ4THA – on the sofa, Barri
WB4SWP, Janet KN4FBI



Janice KX4BB



Sylvia KN4OEJ

Linda KJ4CTX - photographer

St. Jude Marathon, December 1, 2018

Joe WA4OVO

Thanks to Roger Schlichter WR4R for again coordinating the Amateur Radio support for this year's 17th St. Jude Memphis Marathon on Saturday, December 1st. Thankfully, the rain and thunderstorms moved out early in the morning to only provide an hour delay in the start of the 5K/10K race at 8am and the marathon and half marathon at 9am. All of the races came to the same finish line on Union by AutoZone Park. The official close of the marathon was 3:45pm. Roger reported that 65 hams helped with the communications. There were over 26,000 runners! Also, Roger WR4R just reported that he received word that \$11,200,000 was raised for the children of St. Jude! Thanks to all who worked the marathon!



Errol KK4PRV with Sector Captains



Keith KT4EP



Looking North on Manassas



Finish Line! Photo by Joe WA4OVO

Field Day ARRL report

Don't know if you noticed or not, but in the December issue of QRT on page 79, look on the left column under "W4EM" to see the results. The combined clubs of Delta, MARA, Nashoba and Tri-State is 792. About in the middle of all contacts made during the period. Check it out!

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

ARES
Amateur Rescue 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.

2019 Date	Event	Contact Information
Jan. 20	Swamp Stompers 50K/25K Run	Ken Laseter KI4AOH kenlaseter@gmail.com

Area HamFests

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 23	Ides of March HamFest in Union City, TN
April 13	Memphis FreeFest in Bartlett, TN
May 17-19	Hamvention in Xenia, OH
July 27	Greater Nashville & Middle TN HamFest in Lebanon, TN
August 18-19	Huntsville HamFest in Huntsville, AL
October 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
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



MID-SOUTH AMATEUR RADIO SUPPLY (MSARS)

6631 Vallendar Cv., Bartlett, Tennessee 38135

tel: 901-371-9700 • fax: 901-266-3374 • web: www.msars.com

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**Owners/
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W5VAA**

**Rosalinda
WN2V**

**Ham
W4GMM**

Mid-South Amateur Radio Supply, (MSARS.COM) is owned and operated by local hams who are dedicated to promoting the hobby and providing help to anyone interested in ham radio. We actively support the local amateur radio clubs and are ARRL members.

MSARS offers free antenna building classes each year and help many new hams with guidance on their first radio, setting up a ham shack, programming a radio and much more. We are proud to be a part of the ham radio community and are *here to help you*.

DELTA AMATEUR RADIO CLUB
P.O. Box 342768
Memphis, TN 38134-2768

DARC Meeting: Second Tuesday of every month at Ellendale Church of Christ 7365 Hwy 70, Bartlett TN

W4BS REPEATER SYSTEM
 146.82- 147.36+ (107.2Hz tone)
 224.42- 443.20+ (107.2Hz tone)

Joe Miller
Owner

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Advertisement forms can be downloaded from our website –

<http://w4bs.org/aboutUs.html>