

DELTA AMATEUR RADIO CLUB

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38134-2768 * Volume 20 * November 2014



Welcome to the Delta Amateur Radio Club

Visit our home on the web at: <http://www.deltaclub.org>

W4BS	
REPEATER SYSTEM	
146.820 ^{-107.2}	147.360 ^{-107.2}
224.420	443.200 ^{+107.2}

NEXT CLUB MEETING

- DATE:** November 11, 2014 (2nd Tuesday of each month)
- PLACE:** Ellendale Church Of Christ, 7365 Highway 70
Memphis, TN (1 ½ miles north of Hwy. 64 – Stage Road)
- TIME:** 7:00 PM
- PROGRAM:** “Elections & Annual Prize Drawing

VE TESTING: Don't forget the monthly Volunteer Examiner FCC testing session. Registration begins at 5:30 PM and testing begins by 6:00 PM. Please remember to bring two (2) forms of identification, at least one a photo ID, and copies of any existing licenses or CSCEs you might have. Please be on time for registration, as you will not be allowed to enter the testing session after 6:00 PM. This is to allow our volunteer VE team to finish in time to attend the club meeting. For more VE testing information, please contact:

Bill Stevens, WC9S, VE Liaison
Phone: 901-603-3448
Email: wc9s@att.net

Congratulations to the examinees of the October 14th Delta Club test session: Technician Dan Kohr MN4FBP and General upgrade for Darrell Sheffield Jr KI4DJB.

Congratulations to the examinees who were tested on October 20th at the end of the Germantown Technician class given by Jelly Thompson N4HLT: Audrey F. Torrence KM4HFU, Samantha E. Thompson KM4HFV, Bette J. Thompson KM4HFW, Gino Delloso KM4FHX, Michael A. Greenleaf MK4FHY, Craig A. Bergeson KM4HFZ, Ronald L. Lee KM4FIA, Alfreda J. Payne KM4FIB, Bennie G. Holland KM4FIC, Stephen Littlefield KM4HFQ, Denise Littlefield KM4HR, Mary M. Balsamo KM4HFS, Morris R. Butcher Jr KM4HFT, Michael D. Fronabarger KG5EMM.

Note: There will not be VE testing in December.

PRESIDENT'S CORNER

By: Joe Wray WD4GXI

Nothing received.

TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

Beginning Balance	as of October 1, 2014	\$9,372.37
Expenses		
HRO	(2) Tone Boards	\$109.90
Jams Enterprises	November Gifts	\$295.38
		Total Expense
		\$405.28
		SubTotal
		\$8,967.09
Income		
Membership Dues	Year 2014	\$112.50
Membership Dues	Year 2015	\$50.00
Tickets	November Drawing	\$215.00
Estate Sales		\$262.00
Club Patch		\$5.00
		Total Income
		\$644.50
Ending Balance	as of October 31, 2014	\$9,611.59

Submitted by Rick Tillman WA4NVM

Certificate of Deposit #1	Balance	\$10,188.10
Certificate of Deposit #2	Balance	\$5,025.00
Total DARC Assets	Balance	\$24,824.69

BOARD MEETING MINUTES

October 7, 2014 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Joe Wray, Tom Raggett, David Campbell, Richard Martin, Bill Stevens

- CD Rollover - Joe Wray made motion to automatically roll over the maturing \$5K CD at Patriot Bank. Richard Martin seconded, motion passed.
- Treasurer's Report - Richard Martin presented treasurer's report in Rick Tillman's absence. Richard Martin made motion to approve, Bill Stevens seconded, motion passed.
- Silent Auction - There will be a silent auction at the next meeting (Oct 14) to attempt to sell all of the excess equipment collected from various estates. Bill Stevens will bring the equipment.

- Payment to Lord of Life Lutheran Churchô Richard Martin made a motion to pay Lord of Life Lutheran Church an additional \$150 for the use of their facilities for class. This will be a total of \$200 paid to the church. Joe Wray seconded. Motion passed.
- Dues Adjustmentô Richard Martin made motion to drop membership dues from the present 30/35 to 20/25 for the year 2015, beginning January 1, 2015. Bill Stevens seconded. Motion passed.
- New Hams membershipô Bill Stevens made motion to offer a free membership for 2015 to new hams that have tested with DARC. Joe Wray seconded. Motion passed.
- Meeting adjournedô Joe Wray made motion to adjourn, Tom Raggett seconded. Motion passed.

GENERAL CLUB MEETING MINUTES

October 14, 2014 - Presented by: Tom Raggett KJ4LMH

- Introductionô Vice President Michael Knight called the meeting to order in President Joe Wray's absence and asked for introductions.
- Treasurer's Reportô Ham Hilliard made motion to accept treasurer's report, Bill Covington seconded. Motion passed.
- Minutesô Ham Hilliard made motion to accept minutes as published in SPARKS. Ken Laseter seconded. Motion passed.
- Silent Auctionô The estate equipment was laid out on the table and offers made for various items.
- Testingô Bill Stevens reported that 2 people tested, 1 new Tech and 1 new General.
- New Repeaterô The new repeater to be installed on the water tower in Germantown is in the process of being programmed. The tentative schedule has it installed before the November meeting. The frequency is 146.625, negative offset, 107.2 tone.
- Electionô A slate of new officers was presented. Michael Knight solicited additional volunteers who would like to serve as an officer of DARC. The election will be at the November general meeting.
- St. Jude Marathonô Roger Schlichter asked for an additional 6 operators for the Marathon.
- Wire Antenna Classô Ham Hilliard reported that 20 hams participated in the wire antenna class.
- Programô David Campbell presented program on APRS.
- Drawingô Barri Munday was door prize winner.
- Meeting adjourned.

NOMINATIONS FOR 2015 DELTA CLUB BOARD OF DIRECTORS

Submitted by: Joe Lowenthal WA4OVO, Director of Training

The nominations for the November elections for the Delta Club Board of Directors is required at the October meeting. The following members have volunteered for the following positions:

Joe Wray ó WD4GXI President

Michael Knightó KK4IOH Vice-President

Barri MundayóWB4SWP Secretary

Rick Tillman ó WA4NVM Treasurer

Joe Lowenthal ó WA4OVO Director of Training

David Webb ó KV4QI Director of Publications

Jim Cissell ó KI4I Director of Programs

Jim Sheats ó KK4VGL Director of Meetings & Special Events

Others can volunteer for nomination for any position at the October meeting. Requirements-1) be a Delta Club member, 2) have attended at least 6 of the last 12 monthly meetings.

ST. JUDE MARATHON VOLUNTEERS NEEDED

Submitted by Roger Schlichter WR4R

The St. Jude Marathon is run here In Memphis on December 6, 2014. If you can find time in your schedule contact Roger at WR4R@bellsouth.net and volunteer to help out a good cause. Most locations can be worked with a 2m/440 HT but some will require a mobile rig with just a little more power to work. Operators will need to be available from 6am till 3pm but most will not be there all that time. Early aid stations arrive early and leave early, later aid station arrive later and leave later. Most operators will only be needed about 5 hours.

AMATEUR PACKET UPDATE

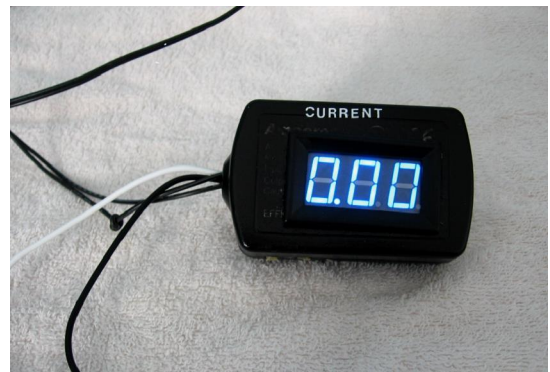
By: James Butler - KB4LJV

Much of our equipment used in emergency operations run on batteries. Sometimes we want extra batteries so we can charge one while running another. Radios often use different styles of battery packs. These can cost a lot from radio manufacturer or not even be available. Batteries America carries a complete line of batteries for Ham Radio equipment. They even have battery packs for older Icom, Yaesu, and Kenwood models. They also carry just the inserts if you want to rebuild a pack yourself. If you need battery packs check out Batteries America. Their Web address is <http://www.batteriesamerica.com/>

AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

One important part of QRP portable is power consumption. Knowing how much power your equipment uses while in operation will determine battery size required and how long it will last. In order to determine this, a current meter is needed. Ebay sells a 10 amp max digital current meter for under \$3.00. Mine has a blue LED readout. Hook it to a DC power supply and connect the current wires in series with the radio or circuit being tested and it will show current draw with 10 milliamp resolution. I mounted mine in a small surplus plastic case. It does a great job of showing power consumption while operating equipment. Do an Ebay search for LED Ammeter.



HAM LICENSE TRAINING 2014

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.

Licenses Earned in 2014 from Delta Classes

25 Technician

12 General

6 Extra

Note: The current Technician ARRL Ham Radio License Manual is the Third Edition which became effective July 1, 2014.

CLASSES SCHEDULED

Tech Class 5-14 – November 10 – December 15, 2014

Tech Class 5-14 will be held on 6 Monday nights from 6:15-9:30pm from November 10th through December 15th with the FCC exams given on December 8th. Classes will be held at EMHC ambulance service office at

6972 Appling Farms Parkway Suite 110, Memphis. If you are interested in the class or know someone who is, have them send an email to Joe Lowenthal at wa4ovo@arrl.net with Tech Class in the subject line and name, email address and cellphone number in the text. See the Future Classes Technician Class below for the text to be used.

CLASSES PLANNED

Extra Class 1-15

An Extra class is being planned for early January on 6 Saturdays from 9am-1pm. If you are interested, send an email to Joe Lowenthal at wa4ovo@arrl.net with Extra Class in the subject line and name, email address and cellphone number in the text. See the Future Classes Extra Class below for the text to be used.

General Class 2-15

A General class is being planned for starting late February or early March either on Saturday mornings from 9am-1pm or Monday nights from 6:15-9:30pm. If you are interested, send an email to Joe Lowenthal at wa4ovo@arrl.net with General Class in the subject line and name, email address and cellphone number in the text. Specify your preference of one of the two days stated above. See the Future Classes General Class below for the text to be used.

TECHNICIAN CLASS

If you are interested in the first amateur license class, Technician, please let us know by sending an email to wa4ovo@arrl.net with subject line "Tech Class" and give your name, email address, and a contact phone number (preferably a cell number). Or you can go to the Delta Club webpage www.deltaclub.org click on Training Classes; then click on Technician Class to send an email, or call at 901-628-4318. We usually publish class schedules a month or two in advance. You will be notified by email or phone when the class is set if you send an email informing us of your desire to be in a class.

There is no charge for the class, but registration is required. Advanced study of *The ARRL Ham Radio License Manual Third Edition*, ARRL Order #0222, ISBN 978-1-62595-015-0, is strongly suggested, as well as study of the 426 question and answer Technical Class License question pool. You can purchase it online from www.msars.com, www.arrl.org/catalog, [on Amazon.com](http://www.amazon.com), or possibly Barnes & Noble booksellers.

The new Technician question pool which became effective July 1, 2014 can be seen at <http://ncvec.org/page.php?id=362>. The question pool is in the blue section in the back of the license manual. Practice tests are highly recommended. The www.qrz.com website is free. To access the current 2014-2018 sample tests, go to www.qrz.com. From the QRZ home page click on **RESOURCES** in the blue band on the top right. Then click on 2014 Technician Exam Practice Test. When you start answering the questions, it will show you if you answered correctly or not with **CORRECT!** or **SORRY BUT THAT ANSWER IS NOT CORRECT**. Statistics are kept below the test question at **This Quiz** with the number of questions answered correctly and the percentage correct. Also shown is the number of questions answered correctly from the 426 questions of the question pool. It keeps track of your correct answers on subsequent tests. Below the **This Quiz** line is **Questions In This Test**, that is a list of the 35 question numbers of the current test. If answered correctly, the question number radio button turns green. If answered incorrectly, it turns red.

There are a number of other free sample-test sites on the internet. Here are some of the ham radio practice exam sites:

- www.hamstudy.org
- www.aa9pw.com

- <http://kb0mga.net/exams>
- www.qrz.com
- <http://www.hamradioclass.org>

The 35-question FCC exam will be given during the class by a Volunteer Examiner (VE) team. The ARRL VEC FCC exam fee is \$15.00.

GENERAL CLASS

If you are interested in a General License class, please let us know by sending an email to wa4ovo@arrl.net with subject line "General Class." Or you can go to the Delta Club web page www.deltaclub.org; click on Training Classes; then click on General Class to send me an email with your name, email address and contact phone, preferably cell number, or call at 901-628-4318. The current question pool became effective July 1, 2011 and valid through June 30, 2015. The text is *The ARRL General Class License Manual, Seventh Edition* with sample test CD, ARRL product #8119, ISBN 978-0-87259-811-9. You will be notified by email or phone when the class is set if you have sent an email.

BASIC ELECTRONICS

Basic Electronics is geared toward bridging the gap between the General and Extra Class licenses. **There is not a Basic Electronics class in the classroom anymore** since there is so much on the internet. Alan Proffitt AE5RX has created a Google website for basic electronics for the Delta Club with useful links. Click on <https://sites.google.com/site/darcelectronics/my-forms> and then click on syllabus.docx at the bottom of the list. Alan, alan.proffitt@comcast.net, will Elmer anyone who would like help or refer them to another Elmer. One site inside this Google site is the US Navy Electricity and Electronics Testing Site (NEETS). There are 24 modules with excellent information. If you want to go directly to it, go to <http://jacquesricher.com/NEETS/>.

EXTRA CLASS

If you are interested in an Extra Class, please pre-register by going to the Delta Club web page www.deltaclub.org; click on Training Classes; then click on Extra Class to send an email with your name, email address and contact phone, preferably cell number, to Joe Lowenthal, WA4OVO, at wa4ovo@arrl.net or call at 901-628-4318. You will be notified by email or phone when the class is set. Classes are usually held on Saturdays from 9am-1pm for 6 or 7 weeks in January and February. The text is *The ARRL Extra Class License Manual 10th Edition*, ARRL Order #5170, ISBN 978-0-87259-517-0.

Extra Class 2-14 Revisited

Congratulations to Janet Kelly KK4PRT who earned her Extra Class license at the September 9th Delta Club ARRL FCC test session.



Pat Lane W4OQG explaining the setup of the longwire antenna. Photo by Joe Lowenthal WA4OVO

Tech Class 4-14 – July 14 – August 18, 2014

Tech Class 4-14 began July 14th for six Monday nights to August 18th at Lord of Life Lutheran Church at 6865 Poplar Pike. Twenty two students were in the class of which there were 4 youth and 6 ladies.

Congratulations to Brent Berry KM4DPM, Jackie Butler KG4DMW, Patricia Clevenger KM4DPO, Andy Faust KM4DPI, Logan Guleff KM4DPN, Dee Heflin KM4DQY, Marlin Mogy KM4DPP, Nick Molinaro KM4DPK, Shane Revelle KE0BLT, Brad Shideler KG5DMV, Bill Stagg KM4DPJ, Carla Stagg KM4DPH, Jagan Vemula KM4DPL, Aidan Vincent KM4DQZ, and Becky Wolfe KM4DRA for earning their Technician license. A second congratulations to Carla Stagg KM4DPH for also upgrading to General. Congratulations to Gavin Anderson KM4EFA who earned his Technician license at the September 9th Delta Club FCC test session.



Michael Knight KK4IOH explaining Echolink and D-Star. Photo by Joe Lowenthal WA4OVO

Thanks to the WCARS VE team of Win Guin W2GLJ, Bill Stevens WC9S, Jeff Krause AJ4GY, Stacy Krause KJ4MDA, Richard Martin K4KXF, Rick Tillman WA4NVM, and David Webb KV4QI. The instructors were Joe Lowenthal WA4OVO, Geoff Wilson KV4LE, and Pat Lane W4OQG. The Elmers were Bill Stevens WC9S, Rick Tillman WA4NVM, Richard Martin K4DXF, Tom Ernst N4LIA, and Jack Moody KK4VPY. The mode presenters were Pat Lane W3OQG on Winlink, SSB, and MARS radio. Rick Pellicciotti KJ4NWQ on APRS, and Michael Knight KK3IOH on Echolink and D-Star.



Tech Class 4-14 with Rick Pellicciotti KJ4NWQ explaining APRS. Photo by Joe Lowenthal WA4OVO

Tech Class 4-14a – July 19, 2014

Congratulations to Alan Chaniewski KC1CHW for earning his Technician license at the Hartford Connecticut ARRL Centennial Convention VE session on July 19th. Joe WA4OVO conducted a quick one-on-one training session primarily on the four formulas and the rules and regulations prior to the exam. Alan is a Fox CT cameraman who was covering the convention for Fox TV.

Tech Class 1-07 Revisited

Congratulations to Eric Wardlaw KM4BKF who passed his Technician at the May 13th Delta Club test session. He has received WB4SLK to follow his parents, Hugh WB4SLI and Linda WB4SLJ.

Tech Class 3-14 – March 10 – April 21, 2014

Tech Class 3-14 was held on 6 Monday nights from March 10th to April 21st at EMHC ambulance offices at 6972 Appling Farms Parkway. Ten students were registered with only seven continuing. The instructors were Pat Lane W4OQG and Joe Lowenthal WA4OVO.

On the 5th night there was a question pool review and FCC exam. Congratulations to Brad Chafin KK4ZZW, Keith Frazier KK4ZZX, Denise Nepa KK4ZZY, Tom Unger KK4ZZZ, Nolen Smith KM4AAR, and Richard Weiland KG5BHV. Chris Trim KM4AEN earned his license at FreeFest, and Richard Weiland KG5BHV upgraded to General at FreeFest.

On the sixth night of class Joe Lowenthal went over repeater basics and what is required to program an FM radio. The demonstration instructors were Michael Knight KK4IOH on EchoLink and D-Star. Pat Lane W4OQG presented WinLink and Rick Pellicioti KJ4NWQ on APRS. The Elmers were Casey Nepa NO1NO, Tom Ernst N4LIA, and Geoff Wilson KV4LE.

Extra Class 2-14 – February 22 – April 12, 2014

Extra Class 2-14 was held on 6 Saturdays from February 22nd until April 12th from 9am-1pm at EMHC ambulance offices at 6972 Appling Farms Parkway and the WCARS FCC exam at 2014 FreeFest. The students were Art Barnett WA4PSS, Jimmy Butler KK4SZQ, Dorothy Cantrell KF5TAV, James Jones KI4HTC, Janet Kelly KK4PRT, Jerry King KD4EYU, Ray Phetteplace KJ4SBC, Chuck Pigue KK4NEO, Dean Plessala KC5RDP, and Sue Plessala KF5ZJI. The instructors were Ed Arndt KV4LF, Dean Honadle N2LAZ, Pat Lane W4OQG and Joe Lowenthal WA4OVO. Dan Lasely NE7JN was an Elmer. Congratulations to Dorothy Cantrell KF5TAV for upgrading to Extra before the end of the class at the CARA ARRL FCC test session on March 17th. Congratulations to Jimmy Butler KV4XE, Ray Phetteplace KJ4SBC, Dean Plessala KC5RDKP, and Sue Plessala AF5PY for their upgrades at FreeFest.

General Class 1-14 – January 4 – February 15, 2014

General Class 1-14 began on January 4th for 6 Saturdays from 9am-1pm through February 15th. The location was at EMHC ambulance offices at 6972 Appling Farms Parkway. The instructors were Joe Lowenthal WA4OVO, Ed Arndt KV4LF and Pat Lane W4OQG. Elmers were Dan Lasley NE7JN and Art Barnett WA4PSS.

Ten hams have upgraded to General. Congratulations to Jimmy Butler KK4SZQ, Ed Itkin KK4VPU, Dean Plessala KF5ZJH, Sue Plessala KF5ZJI, Thomas Showers KF5VEB, Doug Sporre KK4VQB, and Jan Sporre KK4VQA. Steven Wiley WB4PAG upgraded at the Hoxey Hamfest. Barri Munday WB4SWP upgraded at the March Delta Club test session and Bill Flanigan KK4VPS upgraded at the April Delta Club test session. The Delta Club VE team led by Bill Stevens WC9S provided the ARRL FCC testing on February 15th. Thanks to Bill Stevens WC9S, Ed Arndt KV4LF, Jeff Krause AJ4GY, Ken Laseter KI4AOH, Ray Turner AE0AE, David Webb KV4QI, and Joe Lowenthal WA4OVO.

TENNESSEE HAM RADIO LICENSE PLATE

Submitted by: Joe Lowenthal WA4OVO

The link below is for information and instructions about Tennessee ham radio callsign automobile license plates :

<http://www.tn.gov/revenue/vehicle/licenseplates/emergency/emergsaftey.shtml>

The application is at www.tn.gov/revenue/forms/titlereg/fl312601Fill-in.pdf

HAM PRESENTATIONS

Submitted by: Joe Lowenthal WA4OVO

There will be two ham presentations made this week by Joe WA4OVO. The first is this Friday November 14th at 1pm at the Bartlett Senior Center, 5727 Woodlawn Road in Bartlett across from the high school. The second is an exhibit on Saturday November 15th from 10am to 2pm at an emergency preparedness expo at Church of Jesus Christ of Latter-Day Saints, 8150 Walnut Grove Road.

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, 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

2014 BOARD OF DIRECTORS

President:

Joe Wray WD4GXI

901-246-6113

[*wraysjoe@yahoo.com*](mailto:wraysjoe@yahoo.com)

Vice-President:

Michael Knight KK4IOH

901-832-8636

[*kk4ioh@arrl.net*](mailto:kk4ioh@arrl.net)

Secretary:

Tom Raggett ó KJ4LMH

901-517-0492

[*kj4lmh@gmail.com*](mailto:kj4lmh@gmail.com)

Treasurer:

Rick Tillman ó WA4NVM

901-268-7047

[*wa4nvm@comcast.net*](mailto:wa4nvm@comcast.net)

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901-628-4318

[*wa4ovo@yahoo.com*](mailto:wa4ovo@yahoo.com)

Director of Publications:

Kenneth Laseter ó KI4AOH

901-853-0400

[*kmlaseter@laseterinc.com*](mailto:kmlaseter@laseterinc.com)

Director of Programs:

David Campbell ó KD4NOQ

901-388-6166

[*kd4noq@arrl.net*](mailto:kd4noq@arrl.net)

Director of Meetings & Special Events:

Richard Martin ó K4DXF (*Volunteered as Interim to finish out the year*)

901-372-3722

[*k4dx@att.net*](mailto:k4dx@att.net)

New board members joining us in 2014 are listed in red.

HAM FESTS OF INTEREST

DATE	HAM FEST	LOCATION	LINK
January 2014 24 th & 25 th	Capital City Hamfest	Jackson, MS	http://hamfest.msham.org/
March 2014 1 st & 2 nd 29 th	Birmingham Hamfest Union City Hamfest	Birmingham, AL Union City, TN	http://birminghamfest.org/ http://www.reelfootarc.com/
April 2014 12 th	Free Fest	Bartlett, TN	
May 2014 16 th Thru 18 th	Hamvention	Dayton, OH	http://www.hamvention.org/
August 2014 16 th & 17 th	Huntsville Hamfest	Huntsville, AL	http://www.hamfest.org/

PUBLIC SERVICE EVENTS --- 2014

If you are a coordinator for any of these events, please review the listed information. If it is incorrect or changes need to be made, please provide me with the correct information. Please email corrections to me at kmlaseter@laseterinc.com .

DATE	EVENT	COORDINATOR	CONTACT INFO.
January 2014 19 th	Swamp Stompers.	Dannyó KJ4FXZ	kj4fxz@arrl.net
February 2014 8 th	Boy Scout Merit Badge University.	Ken ó KI4AOH	kmlaseter@laseterinc.com
April 2014 26 th	March for Babies (March of Dimes).	Linda ó KJ4CTX	llaseter@laseterinc.com
May 2014 31 th	Tour de Cure	Denise ó KJ5DG	kj5dg.denise@gmail.com
September 2014 6 th - 7 th	MS 150 Bike Ride	Darrell - KK4D	kk4d@xipline.com
December 2014 6 th	St. Jude Marathon	Roger ó WR4R	wr4r@bellsouth.net

MEMPHIS AREA VHF/UHF NETS

Net Name	Freq. MHz	Local Time	Day	
Mid-South Barefooted Bullfrog net	146.535		7:30p	Daily
Delta Club Traffic and Information Net	146.820 - (107.2)		8:00p	Daily
Secret Service Net	224.780 -		8:30p	M
Elmer Net	147.030 + (107.2)		9:00p	M
The Short Winded Net	146.850 -		8:30p	Tu
MedMERS Net	146.730 - (107.2)		12:00p	W
Six Meter Tech Net	53.01 -		8:30p	W
The 440 Net	443.200 + (107.2)		9:00p	W
Collierville CERTPlus Net	443.200 + (107.2)		7:00p	W
TAC 2 Net	224.420 -		8:30p	Th
ARES Training Net	146.880 - (107.2)		9:00p	Th
YL (Young Ladies) Net	146.820 - (107.2)		7:00p	Sun

TENNESSEE HF NETS

Net Name	Freq. MHz	Local Time	Day	
Tennessee CW Net	3.563		7:00p	Daily
Tennessee Slow CW Net	3.682		7:30p	T-Su
Tennessee Early Morn Phone Net	3.980		5:40a	M-F
Tennessee Morning Phone Net	3.980		6:45a	M-F
Tennessee Evening Phone Net	3.980		6:30p	T-Su
CUSEC (Center for United States Earthquake Consortium)	3.810		As needed	
CUSEC (Center for United States Earthquake Consortium)	7.180		As needed	

DELTA CLUB 146.82 NET PREAMBLE (8/10/14)

Good evening, this is [first name and callsign] calling this session of the DELTA CLUB's Information Net. This net meets nightly at 8:00 pm central time except the second Tuesday of the month on the 146.82 W4BS repeater and requires a PL tone of 107.2 Hz. This net provides an opportunity to present information about club events and amateur related topics. This Net also provides new amateur stations training, and allows all amateurs a regularly scheduled session for testing their radios and communicating with the amateur radio community. In the event of severe weather this repeater is available for the National Weather Service Skywarn for the Memphis area.

All licensed amateurs are encouraged to participate. All stations are requested to refrain from transmitting without being acknowledged by net control. Stations not providing their callsign or suffix will not be acknowledged.

Before we begin, is there any station with emergency or priority traffic?

During this net should any station have emergency or priority traffic please use a double break followed by your call sign.

Does any station have announcements for the net? (Does any station have any questions or need any fills?)

This is [first name and callsign] with the Delta Club's Information Net.

We will now take Early Check-Ins. Are there any stations that need to leave early? If so please come now, phonetically, with your suffix only, and please remember to spread them out by waiting for the courtesy tone. (Ask for additions or corrections only once)

We will now take check-ins phonetically, by suffix only if your suffix begins A ó H, Alpha through Hotel. Please come now and remember to spread them out. (Ask for additions or corrections only once if you have a short list)
This is [first name and callsign] with the Delta Club's Information Net.

We will now take check-ins phonetically, by suffix only if your suffix begins I ó Q, India through Keebeck. Please come now and remember to spread them out. (Ask for additions or corrections only once if you have a short list)

We will now take check-ins phonetically, by suffix only, if your suffix begins R ó Z, Romeo through Zulu. Please come now and remember to spread them out. (Ask for additions or corrections only once if you have a short list)

This is [first name and callsign] with the Delta Club's Information Net.

1. The Delta Club meets the second Tuesday of each month at the Ellendale Church of Christ, 7365 HWY 70 in Bartlett at 7:00pm.
2. VE registration begins at 5:30pm, with testing starting by 6:00pm. A copy of your license and CSCE is required.
3. For VE information contact Bill, WC9S at 603-3448 or by email at WC9S@att.net
4. For membership information contact Tom KJ4LMH at 517-0492 or by email at KJ4LMH@arrl.net.
5. For training information contact Joe WA4OVO at 628-4318 or by email at WA4OVO@arrl.net.
6. Local area code is niner ó zero ó one.

Are there any additional announcements? (does any station have any questions or need any fills?)

We will now take late check-ins from any anywhere in the alphabet, A- Z, Alpha through Zulu. Please come now, phonetically, with your suffix only, and please remember to spread them out. (ask for additions or corrections)

CLOSE

Is there anything this station or the net can do for anyone before we close?

This is [first name and callsign] now closing this session of the Delta Club's Information Net. I would like to thank all _____ stations for checking in tonight, and would like to ask that everyone check in tomorrow night at the same time. Goodnight and 73, the net is now closed. This is [first name and callsign] clear.

DELTA CLUB ADVERTISEMENTS

See Advertisement Order Form for Instructions.

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)



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Ben Richhart
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 Alex@millerprotective.com

1203 RIDGEWAY ROAD
 SUITE 202
 MEMPHIS, TN 38119
 TN LICENSE C-0291

ADVERTISEMENT ORDER FORM

Delta Amateur Radio Club Sparks Advertising Order Form

Date: _____

Name: _____

Call Sign: _____ Phone: _____ Email: _____

TO PLACE AN ORDER

1. Mark the box below indicating the ad size you are purchasing and the three (3) months you want your ad to appear in Sparks.
2. Submit this completed order form, your camera ready ad, and your check payable to Delta Amateur Radio Club (DARC) to Kenneth Laseter KI4AOH via mail at 684 Oasis Cove, Cordova, TN 38018 or give it to him at the monthly Delta Club meeting. Camera ready means that the ad you submit is exactly as you want it to appear in your ad and fits within the dimensions specified below. Ads may be submitted in gif or jpg format or submitted as a hard copy and we will scan and place your ad for you.
3. Your ad order must be received on or before the first Tuesday of the **month before** you want it to appear in Sparks.

SPARKS ADVERTISING

FULL PAGE			HALF PAGE			¼ PAGE			BUSINESS CARD		
\$50.00			\$25.00			\$15.00			\$10.00		
for 3 Months			for 3 Months			for 3 Months			for 3 Months		
7ö w X 8 ½ö h			7ö w X 4ö h			3 ½ö w X 4ö h			3 ½ ö w X 2ö h		
Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	July 2014	Aug 2014	Sept 2014	Oct 2014	Nov 2014	Dec 2014



DELTA AMATEUR RADIO CLUB
P.O. Box 342768, TN 38134-2768
2014 MEMBERSHIP APPLICATION



Call sign _____ License Exp. Date ____/____/____ New Member ____ Renewal ____
License Class (Check One) _____ NOV _____ TECH _____ TECH + _____ GEN _____ ADV _____ EXTRA
Last Name _____ First Name _____ ARRL Member ____ Yes ____ No
Address _____ Birthday-Month _____ Day _____
City _____ State _____ Zip+4 _____ + _____
Area Code _____ Home Phone _____ Email _____

This membership current through December 2013

This membership current through December 2014

Club dues:	INDIVIDUAL MEMBERSHIP (\$30.00)*	\$ _____
	FOR FAMILY MEMBERSHIP ADD (\$5.00)	\$ _____
	DONATION	\$ _____
	TOTAL	\$ _____

* Individual dues will be **pro-rated** quarterly for **new members only** (NOT RENEWALS), as follows: January to March . 100% (\$30.00), April to June . 75% (\$22.50), July to September . 50% (\$15.00), October to December . 25% (\$7.50).

Family membership is five dollars in addition to the individual membership fee, which includes any immediate licensed or unlicensed family members living in your home who desire to be Delta Club members.

Please provide family member information below **ONLY** if you are applying for a family membership.

Name (First, Middle, Last)	Call sign (if licensed)	Lic. Class	Lic. Exp. Date	Birthdate: (Mo/Day)
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____

CLUB USE ONLY, PLEASE DO NOT WRITE BELOW THIS LINE

_____ CASH _____ CHECK # _____ AMOUNT _____ RECEIVED BY: _____

PROCESSED BY SECRETARY _____ DATE _____

PROCESSED BY TREASURER _____ DATE _____

PROCESSED BY DISTRIBUTION _____ DATE _____