

DELTA AMATEUR RADIO CLUB

SPARKS

P.O. Box 342768 * Memphis, Tennessee 38175-2768 * Volume 20 * February 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:** February 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:** "Tactical Communications in a Disaster"
Presented by: Billy Freeman KD4EYW

VE TESTING: Don't forget the monthly Volunteer Examiner 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 CSCE's 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

PRESIDENT'S CORNER

By: Joe Wray WD4GXI

I want to apologize for not being at the first meeting of the year. I had surgery on the meeting day and had a slight relapse the last week in January putting me back into the hospital for a couple more days. I am doing better now and if everything goes well, I will be at the February meeting.

I understand Michael (KK4IOH) did an excellent job moderating the meeting and everything went very well. Kudos to Michael and the rest of the board. Keep in mind we are voting on the 2014 budget. Rick WA4NVM has consolidated some things in the budget, which should make it easier for the board to be able to operate between meetings.

Hamfests

I plan on attending the Kentucky Cave City Hamfest March 1st with my son and grandson. I will give a rundown on it next month. It appears to be a full-blown hamfest with VE testing, dealers, flea market and card checking. March 1st & 2nd is the Birmingham Alabama Hamfest and March 8th is the Middle Tennessee ARS Hamfest in Tullahoma. These are not bad drives from Memphis if anyone is interested. And we have our local hamfest, FreeFest, coming up April 12th in Bartlett.

TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

Beginning Balance	as of January 1, 2014	\$7,776.42
Expenses		
Kroger Card	Meeting Treats	\$200.00
Projector Bulb	Training Device	\$94.45
TN Sec. of State	Annual Report	\$20.00
		Total Expense \$314.45
		SubTotal \$7,461.97
Income		
Membership Dues	Year 2014	\$1,295.00
Tickets	November Drawing	\$60.00
Estate Sale		\$422.00
Donation		\$15.00
		Total Income \$1,792.00
Ending Balance	as of January 31, 2014	\$9,253.97

Submitted by Rick Tillman WA4NVM

Certificate of Deposit #1	Balance	\$10,188.10
Certificate of Deposit #2	Balance	\$5,000.00
Total DARC Assets	Balance	\$24,442.07

DELTA CLUB 2014 PROPOSED BUDGET

Submitted By: Rick Tillman WA4NVM

EXPENSES

TN Annual Report	\$20.00
Meeting Space (Donation)	\$200.00
Meeting Refreshments	\$400.00
Food (Dec. meeting)	\$100.00
Small Prizes (monthly & Nov.)	\$500.00
Attendance Incentives (Nov.)	\$1,250.00
P. O. Box (yearly rental)	\$128.00
Liability Insurance	\$200.00
Equipment Insurance	\$143.00
SouthEastern Repeater Asso.	\$30.00
Field Day	\$200.00
Discretionary Fund (awards, trailer repair, repeater upgrade, supplies, etc.)	\$2,000.00
TOTAL EXPENSES	\$5,171.00

INCOME

Donations (cash)	\$100.00
Consignment, Donated Gear, etc.	\$650.00
Membership (Jan. 1 thru Dec. 31)	\$2,600.00
Ticket Sales (Nov. meeting)	\$1,800.00
Club Patches	\$25.00
Advertisement	\$10.00
TOTAL INCOME	\$5,185.00

Checking Account Bal. 1/31/2014	\$9,253.97
Certificate of Deposit	\$10,188.10
Certificate of Deposit	\$5,000.00

BOARD MEETING MINUTES

January 7, 2016 - Presented by: Tom Raggett KJ4LMH Secretary

- Present: Joe Wray, Rick Tillman, Bill Stevens, David Campbell, Denise Ganucheau, Joe Lowenthal, Michael Knight, Tom Raggett
- Programs—David Campbell will do January program on Special Events Stations. David is still working on programs for the next 2 to 3 months.
- January UHF contest—MARA is participating in a UHF contest on January 18, 19, 2014 and asked if DARC would like to participate. DARC will announce at the next General Meeting on January 14.
- Treasurer Report—Rick Tillman presented the Treasurer's report for December and also a report showing budgeted vs actual for 2013. The report was approved by the Board and both reports will be presented to the General Meeting.
- Hospitality—Denise Ganucheau requested a Kroger card to buy snacks and refreshments for the meetings. Board approved and Rick Tillman and Denise procured the card after the Board meeting.
- Donated Equipment—Joe Lowenthal suggested that part of the equipment from the George King estate (K4EWS) be used for Field Day. The remainder of the equipment should be sold. Members would get a discount on prices for the equipment. Bill Stevens and Rick Tillman have been working with another estate that is giving equipment to the club. There will be an inventory and price list of recovered equipment.
- Training—There is a General class in progress and scheduled to complete on February 15, 2014. This General class has 18 students. An Extra class is scheduled for February 22 through April 5. Joe Lowenthal reported for the year 2013, we had 42 new licensed Techs, 27 new Generals, and 7 new Extras.
- Net Control Badges—There was discussion about awarding Net Control badges for operators who had done Net Control for a period of time. There was much discussion about the criteria to get a badge. It was decided to table until after a discussion with Ray Turner and Mike McLoughlin.
- Swap meet dates—Club is still trying to determine swapmeet dates.
- Budget—There will be a "first cut" budget presented at the February General Meeting.
- Field Day—The Board suggested that all three clubs do Field Day together this year.
- Meeting adjourned.

GENERAL CLUB MEETING MINUTES

January 14, 2014 - Presented by: Tom Raggett KJ4LMH

- Introduction—Vice President Michael Knight called the meeting order in President Joe Wray's absence. Introductions were held.
- Minutes—Minutes were approved as written in SPARKS. Jeff Krause made motion, Stacey Krause seconded.
- Treasurer Report—Rick Tillman presented Treasurer Report along with 2013 budget vs actual report. Bill Covington made motion to accept report as read, Bill Stevens seconded.
- Training—Tech class completed in January, General class in progress and Extra class scheduled February 22 through April 5.
- Testing—1 new Tech, 1 new General
- Swamp Stompers—Danny Banks requested additional volunteers for the Swamp Stompers event held in January.
- Delta Club Information Net—Ray Turner communicated the changes to the Delta Club Information Net that is held each night at 8 pm. Dennis Foster was recognized for 7 years of Net Control.
- Estate Items—Joe Lowenthal and Bill Stevens covered the plans for the items that the Club recovered from estates that donated items to the Club.
- Tennessee QSO Party—Congratulations to Nina Stone for winning first place in the Tennessee QSO party. Pat Lane placed second place in the Tennessee QSO party. Nina Stone also won Tate county in the Mississippi QSO party, while Pat Lane won Marshall county.
- Program—David Campbell did the program on Special Events Stations.
- Drawing—Monthly drawing was held.
- Meeting adjourned—Bill Stevens made motion, Ham Hilliard seconded.

AMATEUR PACKET UPDATE

By: James Butler - KB4LJV

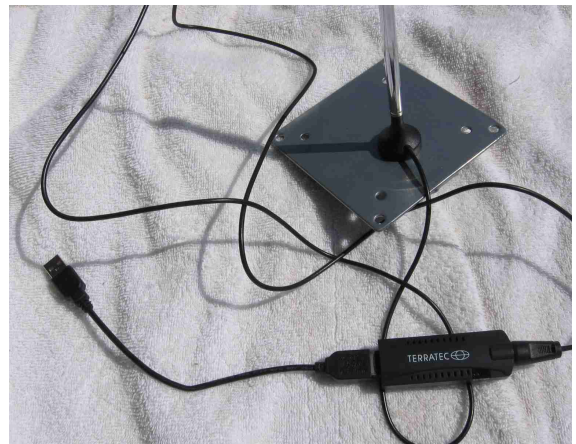
Many times we build up kits to run amateur radio. One company that has come out with quite a few is Hendricks QRP. Their newest kit is the “Survivor”. It covers 80 meter SSB and CW with an optional digital readout and microphone. The kit comes with all the parts needed and a nice case. It puts out about 10 watts PEP on sideband. It has .2 uV sensitivity and only draws about 50 mA on receive. The cost of the kit is \$100.00 or \$140.00 with the digital dial and microphone. If you are looking to operate on 80 meters with a kit check this one out from Hendricks QRP the web site is

<http://www.qrpkits.com/survivor.html>

AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

More radios are becoming software based. These are called “Software Defined radios”. You can now turn your laptop or desktop PC into a radio receiver with some clever software and a DVB-TV USB tuner adapter. The adapter was made for television in other countries but has a radio mode. By installing special software you can get at this mode and turn this into a nice receiver for your computer. QST had a great article on this application in the January 2013 issue. I bought the USB tuner Dongle for under \$20.00 on Ebay. The software versions are for windows XP , Windows 7 , Windows 8, and linux. I ran mine and got 10 FM radio stations, The 162.475 Weather service frequency, and other stations in the 460 MHz range with just the indoor whip. By hooking up an outside antenna you can get even more. It covers 60 MHz to about 2 Gigahertz in any mode. To get AM radio and the HF bands takes a frequency converter board. This is a cheap way to get into Software Defined Radio. This project is well worth the \$20.00. The software is free on the internet from <http://sdr.osmocom.org/trac/wiki/rtl-sdr> . For lots of information on this just Google “tv tuner sdr” for lots of sites that have information.



2014 TRAINING CLASSES

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

0 Technician
0 General
0 Extra

Below, in the Basic Electronics section is basic electronics training information on a Google website created by Alan Proffitt AE5RX.

CLASSES IN PROGRESS

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

General Class 1-14 began on January 4th for 6 Saturdays through February 15th. The location is at EMHC ambulance offices' at 6972 Appling Farms Parkway.

Sixteen hams are in the class. They are Jimmy Butler KK4SZQ, David Carey KJ4KUR, Bill Flanigan KK4VPS, Errol Hook KK4PRV, Ed Itkin KK4VPU, Kim Koratsky KK4VPV, Albert LaGrue KF5NKI, Barri Munday WB4SWKP, Kimberlee Norwood KJ4THC, Dean Plessala KF5ZJH, Sue Plessala KF5ZJI, Michelle Rosamond KF5ZJJ, Todd Rosamond W5TOD, Thomas Showers KF5VEB, Doug Sporre KK4VQB, and Jan Sporre KK4VQA. Thomas Showers is driving 97 miles one way to make the class. That is dedication! The instructors are Joe Lowenthal WA4OVO, Ed Arndt KV4LF and Pat Lane W4OQG. Elmers are Dan Lasley NE7JN and Art Barnett WA4PSS. The Delta Club VE team will provide the testing on February 15th.



General Class 1-14 with Joe Lowenthal WA4OVO leading discussion during antenna and feedline session.

Photo by Pat Lane W4OQG

CLASSES PLANNED

Extra Class 2-14 – February 22 – April 5, 2014

Extra Class 2-14 will be held on 6 Saturdays starting February 22nd from 9am-1pm at EMHC ambulance offices at 6972 Appling Farms Parkway Suite 110. Currently there are eight registered for the class. 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.

CLASS INFORMATION

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 "Technician Class" and give 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 904628-4318. 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*, product #0977/ISBN 978-0-87259-097-7 (red-brick colored cover) is strongly suggested as well as study of the 396 questions and answer Technical Class License question pool. Barnes & Noble Booksellers may have this manual. You can purchase it online from www.msars.com, www.arrl.org/catalog or on Amazon.com. The list price is \$29.95 (which includes a CD). The older ARRL Ham Radio License Manual, Second Edition was priced at \$24.95, but did not have a CD.

The current Technician License question pool, which was approved by the NCVEC on February 1, 2010, can be seen at <http://www.ncvec.org/page.php?id=356>. Testing for this question pool started July 1, 2010.

Practice tests are highly recommended. The www.qrz.com website is free. To access the 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 2010 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 396 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. The following are some other ham radio practice exam sites:

- www.hamstudy.org
- www.aa9pw.com
- <http://kb0mga.net/exams>
- <http://copaseticflow.blogspot.com/2010/06/technician-class-practice-test-gadget.html>
- www.qrz.com
- <http://www.hamradioclass.org>

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

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 name, email address and contact phone, preferably cell number, or call at 904628-4318. A new question pool became effective July 1, 2011. The new textbook is *The ARRL General Class License Manual, Seventh Edition*, item #8119, ISBN 978-0-

87259-811-9. This edition with its question pool is valid through June 30, 2015. Lately, we have been running a combined Technician General class. You will be notified by email or phone when the class is set.

Basic Electronics Class

Basic Electronics is geared toward bridging the gap between the General and Extra Class licenses. There will not be a Basic Electronics class in the classroom anymore since there is so much on the internet. However, 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 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 have been held on Saturdays for 6 or 7 weeks in January and February.

COMPLETED CLASSES

None

<h3>2014 TRAINING OPPORTUNITIES</h3>

Submitted by: Joe Lowenthal WA4OVO, Director of Training
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Here are some training opportunities for hams from FEMA, Shelby County Health Dept Medical Reserve Corps (MRC) and Office of Emergency Preparedness (was EMA).

1) FEMA Emergency Management Institute with online NIMS and ICS training, particularly IS100h, 200, 700, 800

For the catalog: <http://training.fema.gov/is/crslist.aspx>

2) CPR and First Aid - 8:30am-5:30pm

March 4th (Tuesday)

CPR: 8:30 am - 12:00 pm

First Aid 1:00 pm - 5:30 pm

1075 Mullins Station Rd. Memphis, TN 38134 Room W206

Contact: jennifer.russell@shelbycountyttn.gov (901)222-8200

3) Medical Reserve Corps Orientation, Triage and Patient Tracking Training

February 11 (Tuesday) - 2pm-5pm

1075 Mullins Station Rd. Memphis, TN 38134 Room W206

Contact: jennifer.russell@shelbycountyttn.gov (901)222-8200

4) Emergency Care and Safety Institute Instructor Meeting and Training

February 17 (Monday) 12pm-4pm

For those interested in becoming a CPR/First Aid instructor for MRC through ECSI.

www.ecsinstitute.org

1075 Mullins Station Rd. Memphis, TN 38134 Room W206

Contact: jennifer.russell@shelbycountyttn.gov(901)222-8200

5) More events planned!!! Watch the calendar at www.shelbycountymrc.org!

6) In Jackson TN TDH and TDS&HS are hosting “Twisting your Disaster Plan; Tuscaloosa Tornado Lessons Learned” at the Jackson-Madison County Health Department on 2/19/14. Andrew Lee of the DCH Regional Medical Center will be the presenter, and he will be discussing his experiences and lessons learned from the 2011 Tuscaloosa-Birmingham Tornado. I have heard a shortened version of his talk, and it was very good. If you are interested in attending, please complete the attached form and email it to Nick Gatlin:

ngatlin@gpstrategies.com

7) Disaster Exercise - February 24th - Fed Ex Forum 7:00am-12:00pm

Volunteers needed to act as "victims" for Active Shooter Exercise.

Contact: jennifer.russell@shelbycountyttn.gov(901)222-8200

8) TEMA Damage Assessment – February 6th, 2014- 12:30-16:30

The goal of this workshop is to help first responders, emergency managers, public health, medical administrators or other safety personnel Identify Community Hazards, Provide a quick Overview of Emergency Operations Plans, Quick assessment & reporting damage, Survey & reporting techniques, Damage Assessment, and review the system of recovery. No Cost of Prerequisites to attend. To register, please complete the attached TEMA registration form, and return to the Shelby County Office of Preparedness by email or fax.

Shannon.towery@shelbycountyttn.gov or [901-222-6714](tel:901-222-6714)

9) NWS Storm Spotter Course- February 19th 2014- 2:00- 4:00pm

This Workshop will cover basic of thunderstorm development, Fundamentals of storm structure, Identifying potential severe weather features , Information to report , How to report information, Basic severe weather safety.

To register- contact Shannon.towery@shelbycountyttn.gov with your name and email

10) TEEX- Critical Infrastructure Key Resources Awareness Course- AWR 213- February 25th, 2014

Class time 08:00-16:00 - The goal of this course is to inform, enable, and strengthen collaborative efforts among partnering jurisdictions to better recognize Critical Infrastructure and Key Resources (CIKR) to leverage the resources that enhance CIKR protection efforts. No prerequisites or cost for this course. **To register, participants must register online for the course. Participants also must have a FEMA student ID number.** If you do not have one, you can register for one at the following address:

<https://cdp.dhs.gov/femasid/Register.aspx>

Registration link : <http://bit.ly/1dPlirq>

11) Skywarn Storm Spotter Training (ARES Meeting)- March 25, 2014

Class time 7:00-9:00pm

Lord of Life Lutheran Church, 6865 Poplar Pike, Memphis, TN

Joe Lowenthal WA4OVO Coordinator 628-4318, wa4ovo@gmail.com

12) TEEX- Advanced Critical Infrastructure Awareness Course – MGT 414 - April 1st, 2014

Class time 08:00-16:00

In this course participants will enhance their skills to formulate considerations for the resiliency of jurisdictional assets leveraging crosssector partnerships. No prerequisites or cost for this course. To register, participants must register online for the course. **Participants also must have a FEMA student ID number**. If you do not have one, you can register for one at the following address:

<https://cdp.dhs.gov/femasid/Register.aspx> Registration link: <http://bit.ly/JHA1tq>

13) Haz-Mat Awareness- May 21nd, 2014

Class time 08:30-12:30

This four hour courses covers the basic skills to recognize detect and identify the presence of Hazardous Materials during and emergency. Students will learn the different classes, and notification procedures associated with each. This course is free, and also has no prerequisites. To register, please complete the attached TEMA registration form, and return to the Shelby County Office of Preparedness by email or fax.

Shannon.towery@shelbycountyttn.gov or [901-222-6714](tel:901-222-6714)

Shannon Towery
Preparedness Officer-Training and Exercise
Shelby County Office of Preparedness
1075 Mullins Station Rm C-116
Memphis, TN 38134
Office 901-222-6716
Shannon.towery@shelbycountyttn.gov

100 YEARS OF ARRL

Submitted by: Joe Lowenthal WA4OVO, Director of Training

There is a nice 25 minute video on YouTube on the 100 Years of ARRL with some background as far back as 1831. It gives a timeline history of ARRL from its beginning in 1914. You can also get a link from the ARRL website www.arrl.org/centennial.
<http://www.youtube.com/watch?v=JerSTUDqI7s&feature=youtu.be>

MEMPHIS FREEFEST

Submitted by: Mid-South Amateur Radio Association

Dear *Delta Amateur Radio Club*:

On April 12, 2014, the Mid-South Amateur Radio Association is hosting our annual Memphis FreeFest. As is our custom, all raffle proceeds will be donated to LeBonheur Children's Hospital. We would like to ask you help in spreading the word about this event.

Please share the flyer below with your members. We would appreciate your mentioning our event at your February and/or March meetings so that we can make sure everyone is aware of the event.

If you have any questions or would like more information, please contact Tony Brignole—WA4KHN at abrigno@comcast.net or (901) 216-3263.

Thank you,

Mid-South Amateur Radio Association - W4EM

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
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2014 BOARD OF DIRECTORS

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901-388-6166
kd4noq@arrl.net

Director of Meetings & Special Events:

Denise Ganuchau KJ5DG
901-248-4806
kj5dg@arrl.net

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

HAM FESTS OF INTEREST

DATE	HAM FEST	LOCATION	LINK
January 2014 24th & 25th	Capital City Hamfest	Jackson, MS	http://hamfest.msham.org/
March 2014 1st & 2nd 29th	Birmingham Hamfest Union City Hamfest	Birmingham, AL Union City, TN	http://birminghamfest.org/ http://www.reelfootarc.com/
April 2014 12th	Free Fest	Bartlett, TN	
May 2014 16th Thru 18th	Hamvention	Dayton, OH	http://www.hamvention.org/
August 2014 16th & 17th	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 19th	Swamp Stompers.	Danny- KJ4FXZ	kj4fxz@arrl.net
February 2014 8th	Boy Scout Merit Badge University.	Ken - KI4AOH	kmlaseter@laseterinc.com
April 2014 26th	March for Babies (March of Dimes).	Linda - KJ4CTX	llaseter@laseterinc.com
May 2014 TBA 31th	Memphis in May Triathlon. Tour de Cure	Ned - KA4BLL Denise - KJ5DG	ka4bll@arrl.net kj5dg.denise@gmail.com
September 2014 TBA	MS 150 Bike Ride	Darrell - KK4D	kk4d@xipline.com
December 2014 TBA	St. Jude Marathon	Roger - 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 CERT Net	444.125 + (107.2)	7:00p	W
TAC 2 Net	224.420 -	8:30p	Th
ARES Training Net	146.880 - (107.2)	9:00p	Th

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 (11/21/13)

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 is the National Weather Service Skywarn Repeater 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 call sign 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 – 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 – 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 – 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 5170492 or by email at KJ4LMH@arrl.net.
5. For training information contact Joe WA4OVO at 6284318 or by email at WA4OVO@arrl.net.
6. Local area code is nine – zero – 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



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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		
7" w X 8 ½" h			7" w X 4" h			3 ½" w X 4" h			3 ½" w X 2" 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 38184-2768
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 _____ BirthdaMonth ____ 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 _____