DATE: October 14, 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: “Automatic Packet Reporting System (APRS)”
Video by Tim Cunningham N8DEU from the Huntsville Hamfest and
Additional information by David Campbell KD4NOQ.

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 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

Congratulations to George Fleet KM4EEZ, Gavin Anderson KM4EFA and Jonathan Towles KM4EFB who earned their Technician license. Congratulations to Janet Kelly KK4PRT for upgrading to Extra.
Nothing received.

TREASURER’S REPORT
Submitted By: Rick Tillman WA4NVM

Beginning Balance as of September 1, 2014 $10,896.85

Expenses

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>BridgeComSystems</td>
<td>BCR-50V Repeater</td>
<td>$1,086.00</td>
</tr>
<tr>
<td>Rick Tillman</td>
<td>Repeater Duplexers</td>
<td>$600.00</td>
</tr>
<tr>
<td>Walmart</td>
<td>2 Coolers</td>
<td>$46.93</td>
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<td>Sam’s</td>
<td>Meeting Food</td>
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Total Expense $1,769.48

Income

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<tr>
<th>Item</th>
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<tr>
<td>Membership Dues</td>
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<tr>
<td>Tickets</td>
<td>November Drawing</td>
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<tr>
<td>Donated Gear</td>
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<td>$110.00</td>
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</table>

Total Income $245.00

SubTotal $9,127.37

Ending Balance as of September 30, 2014 $9,372.37

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 $24,560.47

BOARD MEETING MINUTES
September 2, 2014 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Joe Wray, Joe Lowenthal, Rick Tillman, Richard Martin, Tom Raggett, David Campbell, Bill Stevens, Michael Knight

1. New Repeater—146.625—Bill Stevens discussed the installation of a new repeater located on the water tower in Germantown, Tn. The City of Germantown has approved the installation of the new
repeater and any needed equipment on the water tower. Bill will give a short summary of all DARC repeaters and where they are located at the next general meeting. The total cost will be a maximum of $2500. Bill Stevens made motion to the Board for approval to spend maximum of $2500 on the new repeater located in Germantown. Michael Knight seconded the motion. Motion passed. The proposal will be brought to the general meeting for approval.

2. Treasurer’s Report—Rick Tillman presented the treasurer’s report. It was noted that the club was $400 in arrears for the bus trip to the Huntsville Hamfest. Bill Stevens made motion to accept, Michael Knight seconded. Report approved.

3. Training—Joe Lowenthal reported that the recent class did well in the final testing. 15 of 16 passed and 1 passed Tech and General. There is a Tech class proposed for November/December timeframe meeting on either Mondays or Saturdays. Joe made motion to make a $50 donation to the Lord of Life Church for use of their facility for classes. Richard Martin seconded. Motion passed.

4. Board positions—David Campbell requested that he be replaced as Director of Programs. Tom Raggett notified the Board he would not submit his name for election as Secretary for 2015.

5. Meeting Adjourned—Richard Martin made motion to adjourn, Michael Knight seconded, passed.

GENERAL CLUB MEETING MINUTES
September 9, 2014  -  Presented by: Tom Raggett  KJ4LMH

1. Introductions—President Joe Wray welcomed everyone to the meeting and called for introductions.

2. Minutes—Ham Hilliard made motion to accept minutes as published in SPARKS, Ned Savage seconded, minutes approved.

3. Treasurer’s Report—Rick Tillman presented treasurer’s report. Ham Hilliard made motion to accept report as read, Bill Covington seconded. Report was approved. Rick told the club that the sign-in sheet had been reduced to Lifetime members and paid members. He also communicated that the Grand prize at the November drawing can only be won by paid members.

4. Training—Joe Lowenthal reported the last training class had 15 of 16 pass, and 1 passed Tech and General.

5. MS150—Darrell Sheffield reported that 35 hams participated in support of the MS150 bike ride. Many thanks to those who participated.

6. St. Jude Marathon—Roger Schlichter reported that he had 28 operators signed up to support the Marathon. He is at least 18 operators short. This is an excellent opportunity for new hams to learn and support St. Jude.

7. New Repeater—Bill Stevens made short presentation on all DARC repeaters and where they are located. Bill also included the proposed repeater to be located on the water tower in Germantown. Bill made motion to the club to spend a maximum of $2500 to purchase and install the repeater on the
Delta Amateur Radio Club

October 2014 Sparks

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Germantown water tower. Roger Schlichter made a motion to amend the original motion to include a timeline for installation after purchase. The amendment failed for lack of second. Ham Hilliard seconded the original motion to approve purchase and installation. Motion was approved by the club and Bill Stevens will proceed with the purchase and installation.

8. Program—David Campbell presented program on “Lightning Research”.

9. Drawing—Andrew KC0BDX

10. Adjourned—Ham Hilliard made motion to adjourn, Jeff Krause seconded.

ELECTION OF OFFICERS FOR 2015
Submitted by: Joe Lowenthal WA4OVO, Director of Training

It’s not too late! If you would like to be on the board, now’s the time to put your name on the ballot. Or, if you know someone you think would make a good officer or director, just let Thomas Raggett (517-0492 or kj4lmh@arrl.net) or Joe Wray (246-6113 or wrayjoe@yahoo.com) know. There are only two basic requirements: 1) you must be a club member, and 2) you must have attended at least six (6) club meetings in the last 12 meetings. Please be thinking about helping us fill all the board positions. There will be nominations at this month’s club meeting. Remember, elections will be held at our regular club meeting in November.

MS-150 ROCK N ROLL BIKE RIDE
September 6 & 7, 2014
Submitted by: Joe Lowenthal WA4OVO, Director of Training

The Delta Amateur Radio Club supported the 2014 MS-150 Bike Ride from Landers Desoto Civic Center and meandering down to the Gold Strike Casino in Tunica and back over the two days. Thirty-five hams provided communications for the ride from the 6 (on Saturday) and 7 (on Sunday) long route rest stops, the century loop, 8 SAG trucks, 3 short route communication points, and the sweep vehicle. Fortunately, there were no accidents that required any serious attention. Darrell Sheffied KK4D did a fine job in coordinating the event. Pat Lane W4OQG and Denise Ganucheu KJ5DG were net control from Landers DCC. Thanks to the Chickasaw Amateur Radio Club for the use of the 146.91 repeater. It had great coverage over the entire course. And thanks to everyone who volunteered their time whether it was for one or both days. We could not have done it without you.
MS-150 Rest Stop One at Bridgeforth Realty. Photo by Joe Lowenthal WA4OVO

MS-150 Rest Stop 4 and lunch break at Hernando Court House. Photo by Joe Lowenthal WA4OVO

MS-150 at MS Earlene’s house at the top of “the hill”. Photo by Joe Lowenthal WA4OVO

Phil Fentress AK4UE beam at MS Earlene’s house at the top of “the hill”. Photo by Joe Lowenthal WA4OVO

MS-150 starting point of the ride on Sunday from Gold Strike Casino. Photo by Joe Lowenthal WA4OVO
The ARRL VHF/UHF Contest was held on September 13th from 1pm to 10pm CDT on the 14th. Each year a group goes over to Mount Nebo State Part in Arkansas just south of Russellville to operate during the contest. This year there was Rick WA4NVM, Randy WB4LHD, Lance N4GMT, Tom KA4P, Bill WC9S, John AJ4AT, Robert AK4BD, Joe 1 WB4NWE, Joe 2 WD4GXI, and me, Joe 3.

We set up two short towers with the radios on the front porch of house. We operated on 6 and 2meters, 220, and 440. Not only do we operate, we enjoy the home cooked meals and beautiful scenery.

The views are magnificent from the second highest mountain in Arkansas. As you can see, it was a little chilly this year. In past years we have had clouds roll through the living room while we tried to watch TV.

One thing we need in top shape for any Amateur radio mode is our antenna. Over the years test equipment for antennas has progressed from SRW meters and antenna current meters to antenna analyzers. These analyzers are amazing as they are just hooked to the coax to show all information about the installation of the antenna. The ARRL has come out with a nice book about these analyzers and how they are different. The book is called “Understanding Your Antenna Analyzer”. The book includes information on these along with ARRL reviews of several analyzers on the market. If you plan on getting an analyzer check this book out from the ARRL. Their web address is http://www.arrl.org/shop/Understanding-Your-Antenna-Analyzer/
When we build our own projects, the most common parts we need are cases and meters. Analog meters are getting harder to find and case prices keep going up. Ebay sells a satellite finder meter which has a meter, amplifier board, and a case for under $8.00. This can be modified for lots of other projects. One project I built up was a voltmeter to monitor battery voltage. I popped the back and cut the meter out of the circuit. I also cut out the 50K variable resistor from the circuit and wired it in series with the meter movement. I brought out the two wires from the meter and variable resistor circuit to hook to the battery. I can now adjust the resistor to put the meter exactly where I want to show voltage. With the resistor in the circuit I can easily adjust voltages up to 24 VDC. The circuit works well and makes for an easy project. Search Ebay for satellite finder meter.

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
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.deltoclub.org](http://www.deltoclub.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](http://www.msars.com), [www.arrl.org/catalog](http://www.arrl.org/catalog), on 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](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](http://www.qrz.com) website is free. To access the current 2014-2018 sample tests, go to [www.qrz.com](http://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](http://www.hamstudy.org)
- [www.aa9pw.com](http://www.aa9pw.com)
- [http://kb0mga.net/exams](http://kb0mga.net/exams)
- [www.qrz.com](http://www.qrz.com)
- [http://www.hamradioclass.org](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.

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.

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 WA44OVO, 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 DStar.

**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 DStar. Pat Lane W4OQG presented WinLink and Rick Pelliciotti KJ4NWG 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 K14HTC, 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 Lasley 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 KC5RDP, 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 KF5ZJI, Sue Plessala KF5ZJ, Thomas Showers KF5VEB, Doug Spoerre KK4VQ, and Jan Spoerre KK4VQA. Steven Wiley WB4PAG upgraded at the Hoxey Hamfest. BarriMunday 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.

HELP WANTED
Submitted by: Kenneth Laseter KI4AOH (Publications Director)

I have enjoyed serving as Publications Director for the past 4 years and appreciate your confidence in publishing and distributing our Sparks newsletter each month. However, due to my increased workload, I am asking that someone else step forward and volunteer to take my place.

My job is relatively easy, others email me their articles and pictures for Sparks and all I do is copy and paste them into a Microsoft word template that I have setup. Anyone who can use Microsoft word can handle the job. I will give you all the Sparks files I have since I started so you have plenty of examples and old articles you can use as filler if needed.

If you are interested or have questions, please feel free to contact me at kenlaseter@gmail.com or 901-853-0400. I would welcome your call.
The link below is for information and instructions about Tennessee ham radio callsign automobile license plates:

http://www.tn.gov/revenue/vehicle/licenseplates/emergency/emergsafety.shtml

The application is at www.tn.gov/revenue/forms/titlereg/f1312601Fill-in.pdf

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  wrayjoe@yahoo.com
Vice-President: Michael Knight  KK4IOH  901-832-8636  kk4ioh@arrl.net
Secretary: Tom Raggett – KJ4LMH  901-517-0492  kj4lmh@gmail.com
Treasurer: Rick Tillman– WA4NVM  901-268-7047  wa4nvm@comcast.net
Director of Training: Joe Lowenthal – WA4OVO  901-628-4318  wa4ovo@yahoo.com
Director of Publications: Kenneth Laseter – KI4AOH  901-853-0400  kmlaseter@laseterinc.com
Director of Programs: David Campbell– KD4NOQ  901-388-6166  kd4noq@arrl.net
Director of Meetings & Special Events: Richard Martin – K4DXF  (Volunteered as Interim to finish out the year)  901-372-3722  k4dxf@att.net

New board members joining us in 2014 are listed in red.
### HAM FESTS OF INTEREST

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<th>HAM FEST</th>
<th>LOCATION</th>
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<tr>
<td>24(^{th}) &amp; 25(^{th})</td>
<td>Capital City Hamfest</td>
<td>Jackson, MS</td>
<td><a href="http://hamfest.msham.org/">http://hamfest.msham.org/</a></td>
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<td>March 2014</td>
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<td></td>
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<tr>
<td>1(^{st}) &amp; 2(^{nd}) 29(^{th})</td>
<td>Birmingham Hamfest</td>
<td>Birmingham, AL</td>
<td><a href="http://birminghamhamfest.org/">http://birminghamhamfest.org/</a></td>
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<tr>
<td>April 2014</td>
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<tr>
<td>12(^{th})</td>
<td>Free Fest</td>
<td>Bartlett, TN</td>
<td></td>
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<td>May 2014</td>
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<tr>
<td>August 2014</td>
<td></td>
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<td>16(^{th}) &amp; 17(^{th})</td>
<td>Huntsville Hamfest</td>
<td>Huntsville, AL</td>
<td><a href="http://www.hamfest.org/">http://www.hamfest.org/</a></td>
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### 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.

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<tr>
<th>DATE</th>
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<tbody>
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<td>January 2014</td>
<td>Swamp Stompers.</td>
<td>Danny– KJ4FXZ</td>
<td><a href="mailto:kj4fxz@arrl.net">kj4fxz@arrl.net</a></td>
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<td>February 2014</td>
<td>Boy Scout Merit Badge University.</td>
<td>Ken – KI4AOH</td>
<td><a href="mailto:kmlaseter@laseterinc.com">kmlaseter@laseterinc.com</a></td>
</tr>
<tr>
<td>April 2014</td>
<td>March for Babies (March of Dimes).</td>
<td>Linda – KJ4CTX</td>
<td><a href="mailto:llaseter@laseterinc.com">llaseter@laseterinc.com</a></td>
</tr>
<tr>
<td>May 2014</td>
<td>Tour de Cure</td>
<td>Denise – KJ5DG</td>
<td><a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a></td>
</tr>
<tr>
<td>September 2014</td>
<td>MS 150 Bike Ride</td>
<td>Darrell - KK4D</td>
<td><a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a></td>
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<td>December 2014</td>
<td>St. Jude Marathon</td>
<td>Roger – WR4R</td>
<td><a href="mailto:wr4r@bellsouth.net">wr4r@bellsouth.net</a></td>
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### MEMPHIS AREA VHF/UHF NETS

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

### TENNESSEE HF NETS

<table>
<thead>
<tr>
<th>Net Name</th>
<th>Freq. MHz</th>
<th>Local Time</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tennessee CW Net</td>
<td>3.563</td>
<td>7.00p</td>
<td>Daily</td>
</tr>
<tr>
<td>Tennessee Slow CW Net</td>
<td>3.682</td>
<td>7:30p</td>
<td>T-Su</td>
</tr>
<tr>
<td>Tennessee Early Morn Phone Net</td>
<td>3.980</td>
<td>5:40a</td>
<td>M-F</td>
</tr>
<tr>
<td>Tennessee Morning Phone Net</td>
<td>3.980</td>
<td>6:45a</td>
<td>M-F</td>
</tr>
<tr>
<td>Tennessee Evening Phone Net</td>
<td>3.980</td>
<td>6:30p</td>
<td>T-Su</td>
</tr>
<tr>
<td>CUSEC (Center for United States Earthquake Consortium)</td>
<td>3.810</td>
<td>As needed</td>
<td></td>
</tr>
<tr>
<td>CUSEC (Center for United States Earthquake Consortium)</td>
<td>7.180</td>
<td>As needed</td>
<td></td>
</tr>
</tbody>
</table>
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–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 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–zero–one.

Are there any additional announcements? (does any station have any questions or need any fills?)
We will now take late checkins 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
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**

<table>
<thead>
<tr>
<th>FULL PAGE</th>
<th>HALF PAGE</th>
<th>¼ PAGE</th>
<th>BUSINESS CARD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$50.00</strong></td>
<td><strong>$25.00</strong></td>
<td><strong>$15.00</strong></td>
<td><strong>$10.00</strong></td>
</tr>
<tr>
<td>for 3 Months</td>
<td>for 3 Months</td>
<td>for 3 Months</td>
<td>for 3 Months</td>
</tr>
<tr>
<td>7” w X 8 ½” h</td>
<td>7” w X 4” h</td>
<td>3 ½” w X 4” h</td>
<td>3 ½” w X 2” h</td>
</tr>
</tbody>
</table>

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 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 ______________