Welcome to the Delta Amateur Radio Club
Visit our home on the web at: http://www.deltaclub.org
EMAIL: darc4you@gmail.com
Facebook: https://www.facebook.com/darcmem

SPARKS
Next Club Meeting (2nd Tuesday of each month)

DATE/TIME: February 10, 2015 – 7:00 PM

PLACE: Ellendale Church Of Christ, 7365 Highway 70
Memphis, TN (1 ½ miles north of Hwy. 64 – Stage Road)

PROGRAM: ARRL Delta Division Director David Norris k4uz
ARRL Tennessee Section Manager Keith Miller - n9dgk

Keith’s topic is What is the future of ham radio in the 21st century and where do we need to go? David will give some insights from the recent ARRL Board Meeting. Keith will have ARRL Membership Applications with him. He will have a limited supply of ARRL Repeater Directories on hand to immediately give to you when you turn in your paid application ($39/1yr, $76/2yrs, $111/3yrs). There are other free books options available for joining ARRL – these will be sent to you later via U.S. Mail.

FCC Amateur Radio License Testing: Don’t forget Delta Club FCC testing sessions are held every month except December. 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. You need to know your FCC Registration Number (FRN) if one has been issued. Please be on time for registration; this is to allow our Volunteer Examiner (VE) team to finish in time to attend the club meeting. 2015 test fee is $15 (cash or check). In 2015, DARC training class students who successfully test for their initial FCC license grant will receive a complimentary individual club membership for the remainder of the current calendar year. For more information, please contact:

Jeff Krause, aj4gy, VE Liaison
Phone: 901-301-6776
Email: aj4gy@comcast.net

There were no testing candidates present at the January test session. The club extends its thanks to the 10 (yes, ten) ARRL VEs who made themselves available for the session in support of our Delta Club – FCC Amateur Radio License testing activities!
Hi all – hope the New Year finds you well. Personally, I am doing much better now than this same time last year. If you remember, I’d just undergone surgery (thankfully, no additional cuts are planned for me in the near future).

Just in case any of you out there are planning any tower or antenna work, I have a flash. The old groundhog Punxsutawney Phil saw his shadow, so there will be six more weeks of winter. Don’t tell him, but Spring officially starts in seven weeks anyway - so I guess the wintery extension is not really that big a deal. Groundhog Day forecasting was a big deal for the Sun Prairie, Wisconsin Mayor however; he was bitten on the ear by Jimmy the local groundhog. That’s what you get for holding a groundhog next to your ear Mr. Mayor!

Now for some Ham news: I didn’t make it to Jackson, MS but I heard it was a good Hamfest and everyone that went had a good time. Some Hams really had a good time because they were able to eat at the Whataburger across the street. That would have been the highlight of the trip for me. February is kind of a slow month, and thankfully it is short. You might look ahead to March though, Birmingham Hamfest is being held on the 7th and 8th - the weekend before our March meeting. Remember to stay in good graces with your significant other, because Valentine’s Day is Saturday the 14th.

I hope to see everyone at the meeting February the 10th. Don’t forget to check into the DARC 146.82 net at 20:00 hrs (8:00p) each evening, and help us to extend our thanks to all of our fine net control operators.

73
Joe Wray wd4gxi

We encourage everyone to come to our next Delta Club meeting on February 10th. When you sign in, please check to make sure your membership status is correctly shown. “2015” or “Life” will be displayed by your name if our club records show your membership is up to date for the current year. If you haven’t yet paid your 2015 dues, please print the membership application found at the end of this newsletter, and bring it with you to our next meeting. If you’re unable to attend, please mail the completed application along with a check for the amount of your yearly dues, so that we might continue to update our membership rolls. It’s only $20 for an individual to enjoy a full year of great Delta Club benefits, and an even better bargain for a family! Please remember that in order to keep the benefits of club affiliation to ARRL, over 50% of the current members must also be members of ARRL. February 10th will provide a great opportunity to renew your ARRL membership and get a great bonus gift to boot!

If meeting sign-in sheets don’t show your correct information, please check with Rick Tillman or David Webb for assistance.
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Beginning Balance as of January 1, 2015</td>
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<tr>
<td>Expenses</td>
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<tr>
<td>TN Sec. Of State Annual Report</td>
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<td>Total Expense</td>
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<td>SubTotal</td>
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<td>Membership Dues Year 2015</td>
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<td>Tickets November Drawing</td>
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<tr>
<td>Donations</td>
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<tr>
<td>Estate Sale Items</td>
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<td>Total Income</td>
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<td>Ending Balance as of January 31, 2015</td>
<td>$10,560.55</td>
</tr>
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<td>Submitted by Rick Tillman wa4nvm</td>
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Certificate of Deposit #1 Balance $10,280.23
Certificate of Deposit #2 Balance $5,025.00
Total DARC Assets Balance $25,865.78
## 2015 PROJECTED DARC EXPENSES

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<th>Cost</th>
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<tr>
<td>Meeting Space (Donation)</td>
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<tr>
<td>Training Space (Donation)</td>
<td>$200.00</td>
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<tr>
<td>Meeting Refreshments</td>
<td>$400.00</td>
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<tr>
<td>Food (Dec. meeting)</td>
<td>$100.00</td>
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<tr>
<td>Small Prizes (monthly &amp; Nov.)</td>
<td>$500.00</td>
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<tr>
<td>Attendance Incentives (Nov.)</td>
<td>$1,250.00</td>
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<tr>
<td>P. O. Box (yearly rental)</td>
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<tr>
<td>Liability Insurance</td>
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<tr>
<td>Equipment Insurance</td>
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<tr>
<td>Repeater Updates</td>
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<td>SouthEastern Repeater Assoc.</td>
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<tr>
<td>Field Day</td>
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<tr>
<td>DARC Board Discretionary Fund*</td>
<td>$2,000.00</td>
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<tr>
<td>*(awards, trailer repair, repeater upgrade, supplies, etc.)</td>
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### PROJECTED TOTAL EXPENSES: $11,456.00

## 2015 PROJECTED DARC INCOME

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<tr>
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<td>Consignment, Donated Gear, etc.</td>
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<td>Membership (Jan. 1 thru Dec. 31)</td>
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<td>Ticket Sales (Nov. meeting)</td>
<td>$1,800.00</td>
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<td>Club Patches</td>
<td>$25.00</td>
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<tr>
<td>Advertisement</td>
<td>$10.00</td>
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</table>

### PROJECTED TOTAL INCOME: $5,185.00

Checking Account Bal. 01/31/2015: $10,560.55  
2015 Projected Net Operating Results (Expense-Income): $(6,271.00)  
Projected Checking Account Bal 12/31/2015: $4,289.55  
Certificate of Deposit: $10,280.23  
Certificate of Deposit: $5,025.00

Projected DARC 2015 End of Year Assets: $19,594.78
1. Treasurer’s Report was presented by Rick Tillman and approved.

2. Mr. Keith Miller – n9dgk - ARRL Tennessee Section Manager is the planned speaker for the DARC meeting on Tuesday 2/10/15. The topic will be “What is the future of Ham radio in the 21st century & where do we go?” There is also a possibility that David Norris – k5uz – ARRL Delta District Director will be in attendance.

3. DARC member Tom Dichiara - ac5mr has agreed to guide a future meeting presentation on Amateur Radio High Altitude Ballooning.

4. 2015 projected club budget will be published in Feb2015 SPARKS newsletter and presented for approval of the membership in the 2/10/2015 club meeting.

5. Bill Stevens continues to work with the City of Germantown to provide internet access to the 146.625 repeater. Bill will pursue acquisition of the necessary hardware to configure the repeater to take maximum advantage of this opportunity.

6. Tony Brignole from the Mid-South Amateur Radio Association (MARA) has secured 2015 use of the same location used for Field Day 2014. Delta Board members agreed that a cooperative event involving DARC, MARA, & Tri-State Repeater Association resources was a good idea. Michael Knight will coordinate with Tony Brignole.

7. Jelly Thompson & Geoff Wilson continue with organizational meetings to start a new club serving Germantown, Collierville, and areas to the south. DARC Board will continue to offer our support of these activities as a possible means of better serving Amateur Radio enthusiasts from the entire area.

8. Need to obtain capability to print/reprint laminated member ID cards was discussed. D.Webb suggested use of stickers for the year so club doesn’t have to make completely new badges every year. David will research and present available options at March Board meeting.

9. There was a discussion regarding how benefits available to DARC club members might be maximized such that people would be incentivized to initially join and maintain active club membership status. D.Webb will research and present for additional discussion at the March Board meeting.

10. J. Lowenthal announced plans for a weekly General class scheduled for February 28th through April 11th with no class on March 14th, 2015. Given sufficient level of student commitments, there may be a Monday evenings Technician level class beginning in March, 2015.

11. It was confirmed that there are plans for a Storm Spotter class to be held in March, 2015. D.Webb will post announcements in the Feb and Mar2015 SPARKS newsletters.

12. J. Lowenthal has found suitable source for the acquisition and embroidery of club logo jackets to be presented to past DARC Presidents in appreciation for their service to the club. Board members again approved plans to proceed.

13. J. Cissell reported that the new club projector was successfully used in the January club meeting, with several favorable comments from club members. Jim also reported he is continuing his investigation into the acquisition of a portable audio system with wireless microphones to improve audio quality of club presentations.

14. J .Lowenthal noted that server hosting the club web page was temporarily out of service. Mr. Ken Gregg has been contacted, and service will hopefully be restored by Wednesday 2/4/2015.

15. With no other business presented, motion to adjourn was made by Jim Sheats, seconded by Michael Knight, and meeting adjourned at approximately 8:15 p.m.
1. Introduction - President Joe Wray welcomed everyone and called for introductions.

2. Treasurer’s report - Ham Hilliard made motion to approve treasurer’s report as reported in SPARKS. Jeff Krause seconded. Report approved by voice acclamation.

3. Minutes-Ham Hilliard made a motion to approve the minutes as reported in SPARKS. Ned Savage seconded. Minutes approved by voice acclamation.

4. Training-Extra class ongoing has 8 students started 1/10 & a General class is scheduled to begin 2/28/15 & end on 4/11/2015; final exam taken @ Freefest. Joe Lowenthal would like to have at least 15 people to sign up for the Tech class to be worthwhile to hold it.

5. FCC Amateur Radio License testing - no candidates actually reported for this evening’s session. The Club thanks 10 Volunteer Examiners (VEs) who presented themselves for this scheduled session.

6. Repeaters-The 146.625 repeater is operational in Germantown. The noise issues with 146.82 have been addressed. Bill Stevens announced that a new antenna may need to be purchased, will present recommendation(s) after further study.

7. Appreciation Awards were presented to Phil Fentress - Net Control Operator and Steve Frazier - New Ham of the Year. They were absent for December awards presentation.

8. Thoughts and prayers were requested for Rick Tillman and family on his mother Pam’s passing.

9. New Business – Please make sure that email addresses and ARRL membership status are correct & up to date; if there are any issues please contact David Webb.

10. General Meeting Announcements
   - Those needing 2015 membership applications may print PDF version from SPARKS newsletter
   - Club needs to report percentage of ARRL members, please be sure to confirm your info on attendance rosters
   - Ham Hilliard will do some radio repair if needed
   - Capital City Hamfest to be held Jan 23-24, 2015
   - Estate sale coming soon
   - Tower Trailer still for sale
   - Meeting refreshments are complimentary
   - Anyone wishing to make cash donations should note amount(s) with the Treasurer

12. Programs - Jim Cissel Program Director wants suggestions for programs for this year. He gave a very interesting presentation on his hamshack, antennas in the house & also on his car. Jim greatly enjoys CW and has many keys in his shack.

SwampStompers Endurance Race Recap
Submitted by: David Webb kv4qi and Danny Banks kj4fxz

One reason that the Delta Amateur Radio Club exists is to provide community service to organizations in and around the Memphis area. One such activity is the annual “SwampStompers” 50k/25k runner’s endurance race held at Meeman-Shelby Forest State Park, Millington, TN.

In this year’s January 18th event, 177 starters (31 finishers in the 50K and 139 in the 25K) navigated a course described at https://www.mensjournal.com/adventure-races/swampstomper-20140924 as follows:

“The SwampStomper gracefully wends through the dense hardwoods of Meeman-Shelby Forest State Park, punctuated by about a half-dozen steep climbs and descents, and is an ideal blend of terrain for a first-time endurance race (choose 50K or 25K). Until it rains — then the course goes from manageable to slippery to muddy to a bonafide swamp. In fair weather, the winner will complete the 50K in just over four hours and the 25K in just under two. But weather in Memphis is variable in January; expect anything from sub-freezing to 50 degrees and sunny.”

Wow! wending through the forest – supported by Delta Amateur Radio Club volunteers – who wouldn’t want to participate? I learned a new word, and also learned that 2015 marked the 10th running of this adventure race! When I think of SwampStompers, I think of Danny Banks - kj4fxz. Danny has headed DARC support for this event since 2011. In 2015, Event sponsors recognized and thanked volunteer DARC operators manning these locations:

Net Control Station at Poplar Tree Lake - Steven Frazier – kk4vpt ; Ken Laseter – ki4aoh
Turnaround Point – Roger Schlichter - wr4r ; Jason Kyle - kk4kup
Woodland Trail Shelter – Mike McLoughlin - kk4mcl
Top of the Red Loop – Danny Banks - kj4fxz

Looking forward to next year’s race, Danny will hand over DARC coordination for this event to the capable hands of Mike McLoughlin – kk4mcl. If you think you’d like to operate some mobile 2m, help keep runners safe, and help support fund raising efforts for the Friends of the Forest for Meeman-Shelby Forest State Park next year, put a placeholder on your January, 2016 calendar. Well done Delta Club volunteers!

Photo from https://www.mensjournal.com/adventure-races/swampstomper-20140924

Article by David Webb – kv4qi with info from Danny Banks – kj4fxz
What a great feeling to know that you’ve helped children battling cancer! Dedicated Delta Club volunteers supporting this yearly event truly help make a life or death difference for these kids! I’m proud to be associated with such a great group of caring supporters!

Delta Amateur Radio Club
PO Box 342768
Memphis TN 38134-2768

To Whom it may Concern:

We want you to know how grateful we are for your dedicated support of the thirteenth St. Jude Memphis Marathon Weekend. We are delighted you chose to spend your time helping to support this hugely successful event for the kids and families of St. Jude Children’s Research Hospital.

In an effort to effectively produce an event of this magnitude, it takes hundreds of companies and organizations as well as over 3,000 dedicated volunteers. This year’s event drew over 20,000 participants in five races: Marathon, Marathon Relay, Half Marathon, 5K and the Kids Marathon and Family Fun Run. The event raised $8 million for the life-saving mission of St. Jude Children’s Research Hospital.

This success would not have been possible without committed volunteers like you and your group, and your dedication to support our participants. Thank you for supporting the St. Jude Memphis Marathon weekend. On behalf of the children and families of St. Jude, the ultimate beneficiaries of this successful event, please know how grateful we are for your loyal support!

We wish you and your family healthy and happy 2015.

Sincerely,

Erin Martin
Event Director

Please save the date for the 2015 St. Jude Memphis Marathon Weekend
Saturday, December 5, 2015
At the Delta Amateur Radio Club meeting on January 13th, 2015, club President Joe Wray (wd4gxi) asked Steve Frazier (kk4vpt) if he knew why he was called to the front of the room. With steely calm usually reserved for the most seasoned operators, Steve replied "I read about it in SPARKS!"

No doubt owing to his accomplishments not only getting behind a microphone, but also in his diligent reading of our esteemed club newsletter, Steve was recognized as the 2014 New Ham of The Year.

Congratulations to Steve and all those fine folks who joined the ranks of amateur radio and the Delta Club during 2014. You are all winners in our book!
Many Amateurs like to help out in bad weather by storm spotting. Some go out mobile to report conditions and look for damage while others just keep track of the weather at home and report conditions on the weather net. The ARRL has published a nice book for those interested in storm spotting. This book is called “Storm Spotting and Amateur Radio” and is co-authored by Mike Corey KI1U, the ARRL Emergency Preparedness and Response Manager was W5MPC from Oxford MS. It cost $22.95, plus shipping and offers lots of good information about this area of Amateur Radio. If you are interested in learning more about storm spotting, check out this new book from the ARRL. The website is http://www.arrl.org/

Editorial note: Improper/inadequate electrical wiring presents potentially deadly safety hazards. If you are unsure of what you are doing, please consult a licensed electrician before starting any work!
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.

<table>
<thead>
<tr>
<th>Licenses Earned to Date in 2015 from Delta Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Technician</td>
</tr>
<tr>
<td>0 General</td>
</tr>
<tr>
<td>0 Extra</td>
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</tbody>
</table>

CLASSES CURRENTLY UNDERWAY/PLANNED

Extra Class 1-15 is being presented on six Saturdays from 9am-1pm from January 10th to February 21st except January 24th. There are eight students in the class - Bill Flanigan - kk4vps, Steven Johnson - kk4vzt, Arthur Oliver - kj4rck, Paul Roberts - ka9vau, Walter Rook - kj4uce, Jim Sheats - kk4vgl, Tom Showers - ke5veb, and Tom Ungren - kk4zzz. John Jennings - kw4ar is auditing the class. The instructors are Joe Lowenthal - wa4ovo, David Webb - kv4qi, Dean Honadle - n2laz, Pat Lane - w4oqg, and Ed Arndt - kv4lf. The Delta Club ARRL VE team headed by VE Liaison Jeff Krause aj4gy will administer the exam session on February 21st.
**General Class 2-15**
A General class is scheduled to start February 28th until April 11th except March 14th on five Saturday mornings from 9am-1pm. The sixth class is the FCC exam, which will be offered in the morning of April 11th at FreeFest at Bartlett Municipal Center. There needs to be at least 10 students for the class. 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. See the Future Classes General Class below for the text to be used.

**Tech Class 3-15**
A Technician class is in the planning stage. If you are interested, 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.

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### FUTURE CLASSES - 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.delt clutch.org](http://www.delt clutch.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 (effective July 1, 2014)*, 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.


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.aq9pw.com](http://www.aq9pw.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.
FUTURE CLASSES - 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 – Internet Training Only

Basic Electronics is geared toward bridging the gap between the General and Extra Class licenses. 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. 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/. Alan will assist anyone who would like additional help or refer them to another Elmer (please contact alan.proffitt@comcast.net ).

FUTURE CLASSES - 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.

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<tr>
<td>25 Technician</td>
</tr>
<tr>
<td>12 General</td>
</tr>
<tr>
<td>6 Extra</td>
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</tbody>
</table>

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/emergsafey.shtml

The application is at www.tn.gov/revenue/forms/titlereg/f1312601Fill-in.pdf
NOAA’s National Weather Service established SKYWARN® as a volunteer program and has nearly 290,000 trained severe weather spotters. These volunteers help keep their local communities safe by providing timely and accurate reports of severe weather to the National Weather Service.

NWS encourages anyone with an interest in public service and access to communications to join the SKYWARN® program.

- Basics of thunderstorm development
- Fundamentals of storm structure
- Identifying potential severe weather features
- How to report information
- Basic severe weather safety

**Basic Disaster Life Support Course**

February 20th (Friday)  
8:00am-5:30pm  7:30 - 8:00 registration

At the MERI (Memphis Educational and Research Institute)  
44 South Cleveland  
Memphis, TN  
Parking and entrance located off Monroe

This great one day disaster training reviews major hazards (disasters and public health emergencies) that we may encounter and our role in responding to and recovering from those events. With a focus on the management of injuries and illness caused by disasters and public health emergencies along with mass-casualty management.

www.ndlsf.org/bdls

Registration for BDLS is OPEN at: [http://register.ndlsf.org/](http://register.ndlsf.org/)

TO REGISTER:
You will need to register on the site first, Sign in, Then register for the course.  
To locate the course, choose the date and location on the calendar on the right, then register for the course.

Or the direct link: [http://register.ndlsf.org/course/view.php?id=1105&sesskey=JDUP393wT6](http://register.ndlsf.org/course/view.php?id=1105&sesskey=JDUP393wT6)

**This course is grant funded and offered at no cost to the participant from Shelby County.**
This course is a Pre-Requisite for Advanced Disaster Life Support (ADLS) planned for March 27th and 28th.

[www.ndlsf.org/adls](http://www.ndlsf.org/adls)

For additional information about the courses, go to: [www.ndlsf.org](http://www.ndlsf.org) or contact jennifer.russell@shelbyountytn.gov or kstewart@meri.org

Thank you,
Shelby County Health Department
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

Alternative EMAIL address to generically offer Board your suggestions, ask questions, voice complaints is darc4you@gmail.com

Please note that you must provide your name and call sign if you’re requesting specific actions or personal follow-ups, and also be aware that any profane or mean-spirited comments will be unceremoniously discarded without consideration.

Delta Club Members Can Like Us/Follow Posts On Facebook!
https://www.facebook.com/darcmem

2015 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: Barri Munday – wb4swp
901-756-5259
annbarrimunday@att.net

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: David W. Webb – kv4qi
901-465-8315
dwebb1518@gmail.com

Director of Programs: Jim Cissell – ki4i
901-326-5544
james4296@aol.com

Director of Meetings & Special Events: Jim Sheats – kk4vgl
901-756-0031
jdsheats@bellsouth.net

Board members beginning their service in 2015 are listed in red.
<table>
<thead>
<tr>
<th>DATES</th>
<th>EVENT</th>
<th>LOCATION</th>
<th>URL Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>7th &amp; 8th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15th - 17th</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>August 2015</td>
<td>Huntsville Hamfest</td>
<td>Huntsville, AL</td>
<td><a href="http://www.hamfest.org/">http://www.hamfest.org/</a></td>
</tr>
<tr>
<td>15th &amp; 16th</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### MEMPHIS AREA VHF/UHF NETS

<table>
<thead>
<tr>
<th>Name of Net</th>
<th>Freq. MHz</th>
<th>Tone</th>
<th>Local Time</th>
<th>Day of Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delta Club Information Net</td>
<td>146.820</td>
<td>(107.2)</td>
<td>8:00p</td>
<td>Daily</td>
</tr>
<tr>
<td>YL (Young Ladies) Net</td>
<td>146.820</td>
<td>(107.2)</td>
<td>7:00p</td>
<td>Sun</td>
</tr>
<tr>
<td>ARES Training Net</td>
<td>146.880</td>
<td>(107.2)</td>
<td>9:00p</td>
<td>Thu</td>
</tr>
<tr>
<td>MedMERS Net</td>
<td>146.820</td>
<td>(107.2)</td>
<td>12:00p</td>
<td>Wed</td>
</tr>
<tr>
<td>Mid-South Barefooted Bullfrog Net</td>
<td>146.535</td>
<td></td>
<td>7:30p</td>
<td>Daily</td>
</tr>
<tr>
<td>The Short Winded Net</td>
<td>146.850</td>
<td>(107.2)</td>
<td>8:30p</td>
<td>Tue</td>
</tr>
<tr>
<td>Six Meter Tech Net</td>
<td>53.01</td>
<td></td>
<td>8:30p</td>
<td>Wed</td>
</tr>
<tr>
<td>TAC 2 Net</td>
<td>224.420</td>
<td></td>
<td>8:30p</td>
<td>Thu</td>
</tr>
<tr>
<td>Secret Service Net</td>
<td>224.780</td>
<td></td>
<td>8:30p</td>
<td>Mon</td>
</tr>
<tr>
<td>The 440 Net</td>
<td>443.200</td>
<td>(107.2)</td>
<td>9:00p</td>
<td>Wed</td>
</tr>
<tr>
<td>CERTPlus Net</td>
<td>443.200</td>
<td>(107.2)</td>
<td>8:30p</td>
<td>Wed</td>
</tr>
<tr>
<td>Elmer Net</td>
<td>444.175</td>
<td>(107.2)</td>
<td>9:00p</td>
<td>Mon</td>
</tr>
<tr>
<td>Super Sunday Niner Net</td>
<td>927.6125</td>
<td>(146.2)</td>
<td>8:30p</td>
<td>Sun</td>
</tr>
</tbody>
</table>

Delta Club sponsored Nets are shown in bold/dark blue font style

### TENNESSEE HF NETS

<table>
<thead>
<tr>
<th>Net Name</th>
<th>Freq. MHz</th>
<th>Local Time</th>
<th>Day of Week</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>Tue-Sun</td>
</tr>
<tr>
<td>Tennessee Early Morn Phone Net</td>
<td>3.980</td>
<td>5:40a</td>
<td>Mon-Fri</td>
</tr>
<tr>
<td>Tennessee Morning Phone Net</td>
<td>3.980</td>
<td>6:45a</td>
<td>Mon-Fri</td>
</tr>
<tr>
<td>Tennessee Evening Phone Net</td>
<td>3.980</td>
<td>6:30p</td>
<td>Tue-Sun</td>
</tr>
<tr>
<td>Tennessee Alternate Phone Net</td>
<td>7.238</td>
<td></td>
<td>As needed</td>
</tr>
<tr>
<td>CUSEC (Center for United States Earthquake Consortium)</td>
<td>3.810</td>
<td></td>
<td>As needed</td>
</tr>
<tr>
<td>CUSEC (Center for United States Earthquake Consortium)</td>
<td>7.180</td>
<td></td>
<td>As needed</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 reports 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 Jeff, aj4gy at 301-6776 or by email at aj4gy@comcast.net
4. For membership information contact Barri, wb4swp at 756-5259 or by EMAIL at annbarrmunday@att.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 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.
<table>
<thead>
<tr>
<th>DELTA AMATEUR RADIO CLUB</th>
<th>Chick-fil-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O. Box 342768</td>
<td>Sales and Service Director</td>
</tr>
<tr>
<td>Memphis, TN 38134-2768</td>
<td>Ben Richhart</td>
</tr>
<tr>
<td>DARC Meeting: Second</td>
<td>Chick-fil-A at Paragon Place</td>
</tr>
<tr>
<td>Tuesday of every month</td>
<td>6282 Poplar Avenue</td>
</tr>
<tr>
<td>at Ellendale Church of</td>
<td>Memphis, TN 38119</td>
</tr>
<tr>
<td>Christ</td>
<td>Phone: 901-766-1875</td>
</tr>
<tr>
<td>7365 Hwy 70, Bartlett TN</td>
<td>Fax: 901-766-1878</td>
</tr>
<tr>
<td>W4BS REPEATER SYSTEM</td>
<td>E-mail: <a href="mailto:ben@cfaparagonplace.com">ben@cfaparagonplace.com</a></td>
</tr>
<tr>
<td>146.82- 147.36+ (107.2Hz tone)</td>
<td></td>
</tr>
<tr>
<td>224.42- 443.20+ (107.2Hz tone)</td>
<td></td>
</tr>
</tbody>
</table>

This ad space is available

This ad space is available

This ad space is available

This ad space is available
## 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 months you want your ad to appear in Sparks.
2. Submit this completed order form, your camera ready ad, via email at dwebb1518@gmail.com. Make check payable to Delta Amateur Radio Club (DARC) at monthly Delta Club meeting, or send US Mail to club mailing address at P.O. Box 432768, Memphis, TN 38134-2768. Camera ready means that ad copy is exactly as you wish it to appear, scaled to fit within the dimensions specified below. Ads may be submitted in .gif or .jpg format, or submitted as a hard copy (we will scan and place your ad for you).
3. Your ad order and payment 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>SPARKS ADVERTISING</th>
<th>FULL PAGE</th>
<th>HALF PAGE</th>
<th>¼ PAGE</th>
<th>BUSINESS CARD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$50.00</td>
<td>$25.00</td>
<td>$15.00</td>
<td>$10.00</td>
</tr>
<tr>
<td></td>
<td>for 3 Months</td>
<td>for 3 Months</td>
<td>for 3 Months</td>
<td>for 3 Months</td>
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<tr>
<td></td>
<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>

<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
</table>
DELTA AMATEUR RADIO CLUB
P.O. Box 342768, TN 38134-2768
2015 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 2015

This membership current through December 2015

Club dues: INDIVIDUAL MEMBERSHIP ($20.00)* $__________ 
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% ($20.00), April to June – 75% ($15.00), July to September – 50% ($10.00), October to December – 25% ($5.00).

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 
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 ______________