

# DELTA AMATEUR RADIO CLUB

# SPARKS

P.O. Box 750482 \* Memphis, Tennessee 38175 -0482 \* Volume 19 \* April 2013



## Welcome to the Delta Amateur Radio Club

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

<b>W4BS</b>	
<b>REPEATER SYSTEM</b>	
146.820 <sup>-107.2</sup>	147.360 <sup>-107.2</sup>
224.420	443.200

## NEXT CLUB MEETING

**DATE:** April 9<sup>th</sup>, 2013 (2<sup>nd</sup> 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:** “Share Your Shack”  
Presented by: Ham Hillard W4GMM

“Short March of Dimes Presentation”  
Presented by: Linda Laseter KJ4CTX

**VE TESTING:** Don't forget the monthly Volunteer Examiner testing session. Registration begins at 5:30 PM and testing begins promptly at 6:00 PM. Please remember to bring two (2) forms of identification 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, VEC  
Phone: 901-603-3448  
Email: [wc9s@att.net](mailto:wc9s@att.net)

## PRESIDENT'S CORNER

By: Rosalinda Melena WN2V

A happy April to all.

Many of you know I do a great deal of reading, both personal and business; and April finds me catching up on a lot of reading. A few of my favorite magazines are; Wired, Harvard Business Review, Car & Driver, WebMD, Rolling Stone and yes, QST.

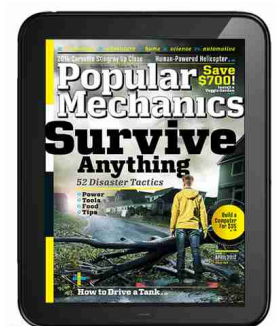
Now days, magazines usually come in two forms; hard copy and digital. When it comes to my magazines, I confess to being a “digital media snob” since I read primarily from a computer and/or pad. One magazine I recently rediscovered is Popular Mechanics. In the April edition there is an excellent article entitled “Survive Anything”. The article provides excellent insight into; what tools could be useful during a disaster, how to select the right generator for your needs, as well providing several useful websites.

One article that caught my interest was on “How to Stock Your Disaster Pantry”. The OM (W5VAA) and I have been going round and round with this problem. It's easier for us to agree on what radio equipment we need than it is on what food stores to stock. The phrase “stock what you eat and eat what you stock” is driven home in this article. The article is a starting point to customize for your personal needs.

If you have time and the means, I hope you'll take a look at the link below.

[How to Stock Your Disaster Pantry](#)

So, for now, 73 to all. Be safe!



## Popular Mechanics

Popular Mechanics helps you master the modern world, presenting trusted information about your home, your car, your technology and the world around you. With tool tests, building projects, car reviews and more, PM shows the American man how to upgrade his life. Popular Mechanics is where innovation meets inspiration. Every issue includes tons of useful do-it-yourself tips and ideas, car reviews, and the latest tech, space, science news, and more.

## DO YOU REMEMBER . . .

By: Rosalinda Melena WN2V

**On April 3, 1973** the first mobile phone call was made by Motorola employee **Martin Cooper**. Using a prototype of what would become the Motorola DynaTAC 8000x, the world's first commercial cell phone, Cooper stood near a 900 MHz base station on Sixth Avenue, between 53rd and 54th Streets, in New York City and placed a call to the headquarters of Bell Labs in New Jersey.

The substance of the call is lost to history, but it probably doesn't compare to the first telegram (“What hath God wrought”), first telephone call (“Mr. Watson, come here, I want to see you”), or even the first text message (“Merry Christmas”). Cooper's inaugural mobile conversation is remembered as, “I'm ringing you just to see if my call sounds good at your end, or something to that effect.” - *Information from Scientific American*.

*On April 16, 1962* legendary CBS news anchor, **Walter Cronkite** (KB2GSB/SK) first used his famous sign off, "And that's the way it is."

**ITEMS FOR SALE**

By: Rosalinda Melena WN2V

From

**David Beard, WT8R**

President, Dyer County Amateur Radio Association (DCARA), Newbern, TN  
731-627-9404

**ITEMS FOR SALE - ALL ITEMS IN GOOD CONDITION**

- EIGHT..... TEN FOOT STRAIGHT SECTIONS ROHN 45 TOWER - \$150 each
- TWO..... TOP SECTIONS ROHN 45 TOWER - \$150 each
- TWO..... ROHN 45 FOLD-OVER TOWER SECTIONS - \$250 each
- ONE..... TB-3 THRUST BEARING - Call for Price
- ONE..... KLM KT -34XA, 5 ELEMENT TRIBANDER (LATEST MOD INSTALLED) - \$700
- ONE..... HYGAIN 205CA, 5 ELEMENT 20 METER MONOBANDER - \$300
- ONE..... HOMEBREW 40 M, ROTATABLE DIPOLE - \$50
- ONE..... DAMAGED COLLINS 30S-1 Linear Amp (complete) with Peter Dahl Power Transformer - \$750

**AMERICAN DIABETES ASSOCIATION**

**TOUR de CURE BICYCLE RIDE – April 27, 2013**

By: Denise Ganuchau KJ5DG

There are three rides: a 62 mile, a 40 mile, and a 10 mile. The 62 and 40-mile rides have sign-in at 7am with ride beginning at 8am. The 10-mile ride begins at 10am. All rides close at 2pm.

A few more mobile operators are needed for the Saturday event. The 145.45 repeater will be used. Denise Ganuchau KJ5DG is coordinating the communications support for the bicycle ride. If you can help, send Denise an email at [KJ5DG.denise@gmail.com](mailto:KJ5DG.denise@gmail.com) or call 504-919-9635.

## MARCH OF DIMES - VOLUNTEERS NEEDED

By: Linda Laseter KJ4CTX

Thank you to those who have volunteered for this year's walk but unfortunately I still need more volunteers to cover all of the ham radio positions for the March of Dimes Walk for Babies event at Shelby Farms on Saturday, April 27, 2013.

It is a fun day beginning at 6:30 a.m. and ending by 1:00 p.m. Please volunteer and join us to support the babies and those who are walking for a good cause. If you can volunteer, please contact me at (901) 268 - 1766, or e-mail [llaseter@laseterinc.com](mailto:llaseter@laseterinc.com) , or see me at the Delta Club meeting Tuesday, April 9, 2013.

## TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of March 1, 2013</b>	<b>\$11,277.24</b>
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### Expenses

David Gilbert	Meeting Treats	\$8.25
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<b>Total Expense</b>	<b>\$8.25</b>
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SubTotal **\$11,268.99**

### Income

Membership Dues	Year 2013	\$215.00
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Tickets	November Drawing	\$60.00
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Donated Gear	Antenna	\$150.00
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<b>Total Income</b>	<b>\$425.00</b>
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<b>Ending Balance</b>	<b>as of March 31, 2013</b>	<b>\$11,693.99</b>
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Submitted by Rick Tillman WA4NVM

## BOARD MEETING MINUTES

March 5, 2013 - Presented by: Tom Raggett KJ4LMH Secretary

1. Present were: Rosalinda Melena, Richard Martin, David Gilbert, Bill Stevens, Rick Tillman, Joe Lowenthal, Tom Raggett, David Campbell.

2. Field Day was discussed and Richard Martin gave presentation on the location of Field Day. The presentation will given to the General meeting for approval.
3. Program for March will be a presentation by P at Lane on his Ham Shack.
4. Freefest was discussed. DARC will have two tables for Members only to see equipment. Someone from DARC will attend the tables but the person selling the equipment must transact the sale.
5. Training- Class of 19 Technicians, 6 tested for Extra, 5 passed.
6. Meeting adjourned.

## GENERAL CLUB MEETING MINUTES

March 12, 2013 - Presented by: Tom Raggett KJ4LMH

1. The regular monthly meeting of DARC was called to order by President Rosalinda Melena wn2v.
2. Ham Hilliard w4gmm made a motion, seconded by Ken Laseter ki4aoh to approve the minutes of the last meeting as published in Sparks. Passed
3. Rick Tillman wa4nvm gave the treasurer's report. Motion to approve as read by Ham Hilliard w4gmm, seconded by Jeff Krause aj4gy. Passed
4. Bill Stevens wc9s reported that 1 person passed general at testing.
5. Joe Lowenthal wa4o vo reported on the just completed tech class and the upcoming general class.
6. Joe also reminded everyone about the ARES sponsored Skywarn class put on by the weather service at Lord of Life Lutheran Church March 26<sup>th</sup>.
7. Linda Laseter ki4ctx asked for vo lunteers for the March of Dimes walk on April 27<sup>th</sup>.
8. Danny Banks kj4fxz presented certificates of appreciation to the people who volunteered for the Swamp Stompers race.
9. Ned Savage ka4bll announced that John Leffler ke4aqy recently became a silent key .
10. David Gilbert aj4lv gave an update on FreeFest.
11. Richard Martin k4dx announced that the closed school at St. James Catholic Church has been suggested as the site for a combined field day this year. He also asked that if anyone had any other suggestions to please let him know.
12. After a 10 minute break, Pat Lane w4oqg presented the program about his two ham shacks, one at home and one at work.
13. The drawing was won by Pat Lane w4oqg.
14. Motion to adjourn by Ham Hilliard w4gmm, seconded by Jeff Krause aj4gy. Passed

## AMATEUR PACKET UPDATE

By: James Butler - KB4LJV

MFJ has come out with a new rig for HF use. It is in the class of small QRP picnic table portables. The MFJ 92XX series of radios are CW rigs, but will receive SSB. For one band they cost \$250.00 and additional band modules are just \$29.95 each. This is a real small digital radio. It measures about 5 by 3 by 1.5 inches in size. It puts out 5 watts of power. Changing bands means opening the case unplugging one band module and plugging in another. This radio has a backlit LCD and 8 VFO memories along with lots of other features. Go to the MFJ site for all the information on this QRP rig. The internet address is

<http://www.mfjenterprises.com/>

## AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

Many times we hook up our test equipment to output ports on our radios to check for proper operation. Making connections with a set of scope or meter probes can be hard. On RCA style male connectors it is hard not to short the leads when hooking up leads. Since a lot of older radios tend to use the RCA type connector for external keying, speaker output, RF output, and aux jacks I made up a custom adapter to allow for easy hookup to these ports with test equipment. I used male and a female RCA connectors wired up in parallel along with a couple of alligator clips that are also wired to the center and ground connections of the RCA connectors. This allows me to just plug into a male or female RCA output and then hook up my test leads to the meter or scope probes. The adaptor works well and makes troubleshooting older radios a lot easier.



## MARA FREEFEST

(YES, a Free Hamfest)

**Saturday April 13, 2013**

**9 am to 3 pm**

**Bartlett Station Municipal Center**

**5868 Stage Road Bartlett, TN**

**North side of Stage Road just west of Bartlett Blvd.**

Admission Free - Vendors, Clubs, and Flea Market tables

## CHIC-FIL-A

Submitted by: Joe Lowenthal WA4OVO, Director of Training

The Delta Club wants to thank Joe Miller KK4NER for donating 500 Chick-fil-A sandwich coupons as an enticement to buy additional raffle tickets in support of FreeFest and LeBonheur Children's Hospital. Anyone buying additional raffle tickets will receive a coupon.



## 2013 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 2013 from Delta Classes

14 Technician

3 General

5 Extra

### CLASSES IN PROGRESS

*General Class 3-13 – April 1 – May 6, 2013*

A General Class is being held on 6 Monday nights at 6:15 -9:30pm from April 1<sup>st</sup> through May 6<sup>th</sup> at Lord of Life Lutheran Church, 6865 Poplar Pike. There are 22 students in the class with two General Class licenses getting a refresher. Joe Lowenthal WA4OVO, Ed Arndt KV4LF, and Pat Lane W4OQG are the instructors.

### CLASSES PLANNED

None

### 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](http://www.deltaclub.org) click on Training Classes; then click on Technician Class to send an email, or call at 901-683-2701. 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](http://www.msars.com), [www.arrl.org/catalog](http://www.arrl.org/catalog) or on [Amazon.com](http://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](http://www.qrz.com) website is free. To access the 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 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.aa9pw.com](http://www.aa9pw.com)
- <http://kb0mga.net/exams>
- <http://copaseticflow.blogspot.com/2010/06/technician-class-practice-test-gadget.html>
- [www.qrz.com](http://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](mailto:wa4ovo@arrl.net) with subject line "General Class." Or you can go to the Delta Club web page [www.deltaclub.org](http://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 901-683-2701. 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***

The Basic Electronics Class is designed to bridge the electronics -learning gap between the General and the Extra Class licenses. The class textbook is ARRL's *Understanding Basic Electronics, Second Edition*. The suggested calculator is the Casio fx -260 solar calculator, which can be purchased at Wal-Mart for about \$10. There is no exam for this class. The class has been held in the September -November time frame.

If you are interested in the Basic Electronics Class, please let us know by sending an email with name, email address and contact phone, preferably cell number to [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) with subject line "Basic Electronics Class" or call at 901-683-2701. You will be notified by email or phone when the class is set.

### ***Extra Class***



If you are interested in an Extra Class, please pre-register by going to the Delta Club web page [www.deltaclub.org](http://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, WA4O VO, at [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) or call at 901-683-2701. 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**

#### ***Tech Class 2-13 – February 11 – March 18, 2013***

Tech Class 2-13 was held on 6 Monday nights from 6:15-9:30pm from February 11th to March 18th at Lord of Life Lutheran Church, 6865 Poplar Pike. Eighteen students attended class the first night. Joe Lowenthal WA4OVO and Pat Lane W4OQG were the instructors. Hugh Wardlaw WB4SLI and Michael Knight KK4IOH provided operating information on the sixth night of class. Bill Stevens WC9S, Rick Tillman WA4NVM, Richard Martin K4DXF, Harry LaVoice KV4LD and Jim Norton WD4T were Elmers.

Fourteen students passed their Technician exam. Thirteen took their exam on the fifth night of class. Congratulations to Keith Burns KK4PRZ, Mike Dawson KK4PRO, Nancy Forsyth KK4PRW, Jim Gallagher KK4PRX, Errol Hook KK4PRV, Michael Jackson KK4PR R, Eric Johnson KK4PRN, Janet Kelly KK4PRT, Chris Nicholson KK4PRP, William Saulsberry KK4PRQ, Keith Saunders KK4PRM, Linda Taylor KK4PRU, and Robert Taylor KK4PRY. Additional congratulations go to Keith Burns, Jim Gallagher, and Robert Taylor for also upgrading to General at the same time. Urania Erskine KK4POK passed her Technician exam on Saturday, March 16<sup>th</sup>, with the WCARS VE team.

#### ***Tech Class 2-13 – February 11 – March 18, 2013***

#### ***Extra Class 1-13 – January 12 – February 23, 2013***

#### ***Troop 225 Merit Badge Class – February 9, 2013***

## **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

### **2012 BOARD OF DIRECTORS**

President:  
Rosalinda Melena – WN2V  
901-921-4474  
[wntwov@gmail.com](mailto:wntwov@gmail.com)

Vice-President:  
Richard Martin – K4DXF  
901-372-3722  
[k4dxmf@att.net](mailto:k4dxmf@att.net)

Secretary:  
Tom Raggett – KJ4LMH  
901-517-0492  
[kj4lmh@gmail.com](mailto:kj4lmh@gmail.com)

Treasurer:  
Rick Tillman – WA4NVM  
901-268-7047  
[wa4nvm@comcast.net](mailto:wa4nvm@comcast.net)

Director of Training:  
Joe Lowenthal – WA4OVO  
901-683-2701  
[wa4ovo@yahoo.com](mailto:wa4ovo@yahoo.com)

Director of Publications:  
Kenneth Laseter – KI4AOH  
901-853-0400  
[kmlaseter@laseterinc.com](mailto:kmlaseter@laseterinc.com)

Director of Programs:  
David Campbell – KD4NOQ  
901-388-6166  
[kd4noq@arrl.net](mailto:kd4noq@arrl.net)

Director of Meetings & Special Events:  
David Gilbert – AJ4LV  
[aj4lv@hotmail.com](mailto:aj4lv@hotmail.com)

## PUBLIC SERVICE EVENTS --- 2013

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](mailto:kmlaseter@laseterinc.com).

DATE	EVENT	COORDINATOR	CONTACT INFO.
<b>January 2013</b>			
20 <sup>th</sup>	Swamp Stompers.	Danny – KJ4FXZ	<a href="mailto:kj4fxz@arrl.net">kj4fxz@arrl.net</a>
<b>February 2013</b>			
9 <sup>th</sup>	Boy Scout Merit Badge University.	Ken – KI4AOH	<a href="mailto:kmlaseter@laseterinc.com">kmlaseter@laseterinc.com</a>
<b>April 2013</b>			
27 <sup>th</sup>	March for Babies (March of Dimes).	Linda – KJ4CTX	<a href="mailto:llaseter@laseterinc.com">llaseter@laseterinc.com</a>
27 <sup>th</sup>	Tour de Cure	Denise – KJ5DG	<a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a>
<b>May 2013</b>			
19 <sup>th</sup>	Memphis in May Triathlon.	Ned - KA4BLL	<a href="mailto:ka4bll@arrl.net">ka4bll@arrl.net</a>
<b>September 2013</b>			
7 <sup>th</sup> and 8 <sup>th</sup>	MS 150 Bike Ride	Darrell - KK4D	<a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a>
<b>December 2013</b>			
7 <sup>th</sup>	St. Jude Marathon	Roger – WR4R	<a href="mailto:wr4r@bellsouth.net">wr4r@bellsouth.net</a>
<b>Unknown</b>	Bartlett Christmas Parade	Dennis – KJ4BDU	<a href="mailto:dcvv3714@aol.com">dcvv3714@aol.com</a>

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## MEMPHIS AREA VHF/UHF NETS

Net Name	Freq. MHz	Local Time	Day
Mid-South Barefooted Bullfrog net	146.535	7:30p	Daily
<b>Delta Club Traffic and Information Net</b>	<b>146.820 - (107.2)</b>	<b>8:00p</b>	<b>Daily</b>
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 (Rev. 2)

**GOOD EVENING:** This is \_\_\_\_\_ calling this session of the DELTA CLUB'S TRAFFIC AND INFORMATION NET. This net is affiliated with the ARRL and the NTS and is organized to pass traffic in and out of the mid - south area, in addition to providing information about club events and amateur related topics. This net meets nightly at 8:00 p.m. CT except the second Tuesday of the month on the 146.82 W4BS repeater and **requires** a pl. tone of 107.2 Hz. All stations will refrain from transmitting without being acknowledged by net control.

All licensed amateurs are encouraged to participate.

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.

Is there an NTS Liaison station on frequency?

Is there any station wishing to list formal written traffic?

Does any station have announcements for the net?

**(If anyone asks to make an announcement after you finish handling the ones taken here ask them to hold until after the monolog. Eliminate the following sentence unless there are announcements.)**

Does any station have any questions or need any fills?

We will now take check-ins. Are there any stations that are mobile, on battery power, or needing to leave early, if so please come now phonetically with your suffix only and please remember to spread them out?

We will now take check-ins phonetically by suffix only if your suffix begins ALPHA through HOTEL please come now and remember to spread them out.

We will now take check-ins phonetically by suffix only if your suffix begins INDIA through KEEBECK please come now and remember to spread them out.

We will now take check-ins phonetically by suffix only if your suffix begins ROMEO through ZULU please come now and remember to spread them out.

The DELTA CLUB meets the second Tuesday of each month at the ELLENDALE CHURCH OF CHRIST 7365 HWY 70 in Bartlett at 7:00 P.M. V. E. Registration begins at 5:30 P.M. with testing starting promptly at 6:00 P.M. A copy of your license and CSCE is required. For V. E. Information contact Bill, WC9S at 603 -3448. For membership information contact Tom, KJ4LMH at 517-0492. For training information contact Joe WA4OVO at 683-2701.

Are there any additional announcements?

We will now take late check-ins from anywhere in the alphabet ALPHA through ZULU please come now and spread them out.

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

This is \_\_\_\_\_ now closing this session of the DELTA AMATEUR RADIO CLUB'S Traffic and information net and would like to thank all \_\_\_\_\_ stations for checking in tonight. And would like to ask that everyone to check in tomorrow night at the same time.

GOODNIGHT AND 73: THE NET IS NOW CLOSED. \_\_\_\_\_ CLEAR

# DELTA CLUB ADVERTISEMENTS

See Advertisement Order Form for Instructions.

## DELTA AMATEUR RADIO CLUB

P.O. Box 342768  
Memphis, TN 38134-2768

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



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

**Savage**  
**T**.ile  
**C**ompany

Installers of  
commercial & residential  
ceramic, quarry, marble & slate tiles  
(901) 363-9607 or Fax (901)365-1992  
5579 Federal Avenue  
Memphis, TN 38118-7918

Ned Savage

35 YEARS of EXPERIENCE

**Ben Richhart**  
Sales and Service Director



### Chick-fil-A at Paragon Place

6282 Poplar Avenue  
Memphis, TN 38119  
Phone: 901-766-1875  
Fax: 901-766-1878  
E-mail: ben@cfaparagonplace.com

# 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

<b>FULL PAGE</b>  <b>\$50.00</b> for 3 Months 7" w X 8 1/2" h  <input type="checkbox"/>			<b>HALF PAGE</b>  <b>\$25.00</b> for 3 Months 7" w X 4" h  <input type="checkbox"/>			<b>1/4 PAGE</b>  <b>\$15.00</b> for 3 Months 3 1/2" w X 4" h  <input type="checkbox"/>			<b>BUSINESS CARD</b>  <b>\$10.00</b> for 3 Months 3 1/2" w X 2" h  <input type="checkbox"/>		
Apr 2013	May 2013	Jun 2013	Jul 2013	Aug 2013	Sept 2013	Oct 2013	Nov 2013	Dec 2013	Jan 2014	Feb 2014	Mar 2014



**DELTA AMATEUR RADIO CLUB**  
P.O. Box 3428, TN 38184-2 768  
**2013 MEMBERSHIP APPLICATION**



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

**This membership current through December 2013**

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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. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____

**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 \_\_\_\_\_