

# DELTA AMATEUR RADIO CLUB

# SPARKS

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



## Welcome to the Delta Amateur Radio Club

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

## W4BS

### REPEATER SYSTEM

146.820 <sup>-107.2</sup>	147.360 <sup>-107.2</sup>
224.420	443.200

## NEXT CLUB MEETING

**DATE:** August 13, 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:** “Shack in a Cabinet / No Moving Parts Computer”  
Presented by: Scott Vanzandt N2WMD

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

Bill Stevens, WC9S, VE Liaison  
Phone: 901-603-3448  
Email: [wc9s@att.net](mailto:wc9s@att.net)

Congratulations to the examinees of the July 9<sup>th</sup> Delta Club test session: Technicians Emily Stewart KK4SNE and Mitch Waits KK4SNG; Technician and General upgrade for Dan Lasley KK4SNF; General upgrade for Russell Palmer KI4CEV; and General and Extra upgrades for David Allen KV4PG (formerly KK4SJJ).

# PRESIDENT'S CORNER

By: Rosalinda Melena WN2V

Happy August to all. I wanted to share a few photos from the club's recent Swap Meet.

Recognition for coordinating the event goes to **Richard Martin (K4DXF)**, **Rick Tillman (WA4NVM)** and **Bill Stevens (WC9S)**. Great job guys! The event couldn't have run any better.

The DARC Swap Meet took place on Saturday, July 27, 2013 and ran approximately 5 hours. There were 6 - 7 sellers putting out items. We had a lot of folks come early.



The Set-Up Crew.

*They're smiling because I was behind the camera with my COFFEE.*



Down Time

A Future Dayton Attendee?

Several folks mentioned the day felt a little like the “old days at the Candy Store”. Coffee, donuts and rag - chewing.

Let us know if you’d like the club to begin holding these Swap Meets on a regular basis. The DARC Board will consider all suggestions.

Stay cool, take care and be safe. 73 to all!

<b>TREASURER’S REPORT</b> Submitted By: Rick Tillman WA4NVM
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<b>Beginning Balance</b>	<b>as of July 1, 2013</b>	<b>\$13,841.42</b>
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**Expenses**

David Gilbert	Meeting Treats	\$17.67
Top-Notch Bus	Huntsville Trip	\$1,550.00
Hays Insurance	Liability Insurance	\$200.00
Hays Insurance	Equipment Insurance	\$143.00
Party Works	2 rolls of tickets	\$20.74
Richard Martin	4 boxes of doughnuts	\$26.00
MARA	Field Day Expenses	\$157.51
<b>Total Expense</b>		<b>\$2,114.92</b>
SubTotal		<b>\$11,726.50</b>

**Income**

Membership Dues	Year 2013	\$150.00
Club Patch		\$10.00
Huntsville Bus Trip	2013 Ticket	\$520.00
Donations		\$15.00
Tickets	November Drawing	\$190.00
<b>Total Income</b>		<b>\$885.00</b>

<b>Ending Balance</b>	<b>as of July 31, 2013</b>	<b>\$12,611.50</b>
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Submitted by Rick Tillman WA4NVM

## **BOARD MEETING MINUTES**

July 2, 2013 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Ken Laseter, Joe Lowenthal, Bill Stevens, Rick Tillman, David Gilbert, Tom Raggett

- Field Day—Richard Martin read a synopsis of Field Day. Some statistics were:  
140 CW contacts, 303 phone contacts, many 6 meter contacts on Sunday. Over 80 people attended. 6 people took tests and all passed.
- Treasurer report was approved as read.
- Huntsville Hamfest—As of meeting time 23 had paid.
- Program for July—Pat Lane will be presenting the use of RF filters. He will cover the when, why and where to use these filters.
- Training—15 people registered for the July 8 -August 12 Technician class at Lord of Life Lutheran Church.
- CD at Patriot Bank—It was decided by the Board to roll over the CD at Patriot Bank when it matures.
- Swap Fest—It was agreed to have a Swap Fest at Ellendale C of C on July 27, 2013. Ken Laseter will send out email communicating. Email will go to DARC members only for the first Swap Fest.

Meeting adjourned.

## **GENERAL CLUB MEETING MINUTES**

July 9, 2013 - Presented by: Tom Raggett KJ4LMH

- President Rosalinda Melena called the meeting to order and proceeded with introductions of the 68 Hams in attendance.
- Unauthorized use of Ham Bands—There was a discussion and how to handle this issue.
- Board and Meeting Minutes—Ham Hilliard made motion to accept as published in SPARKS, Bill Covington seconded.
- Treasurer Report—Ham Hilliard made motion to accept as published in SPARKS, Jeff Krause seconded.
- Testing—5 passed, 2 Technician, 2 General, 1 Extra
- Training—Started Technician class July 8 with 21 students.
- Huntsville Hamfest Bus Trip—Please pay as soon as you can, price is \$65 until August 13.

- Field Day—Richard Martin gave report in Field Day. Ham Hilliard gave report on MARS Field Day.
- New Hams—There was a short discussion about helping new Hams get accustomed to using the radio. Experienced Hams are encouraged to stay on the radio after the nets to help.
- Swap Fest—The DARC Swap Fest was scheduled for July 27, 2013, from 8 to 12 noon. For the first Swap Fest, only DARC members are formally invited.
- Program—Pat Lane did program on filters, when, where, and how to use. Scott Vanzandt will present the program in August, subject not known.
- ARRL Scholarship—Dale Gilbert, son of Board Member David Gilbert, was awarded an ARRL Scholarship for college.
- Meeting Adjourned—Jeff Krause made motion to adjourn, David Gilbert seconded.

## AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

When we run emergency operations after dark, we need lighting. Normal power may be out and we are forced to use emergency lighting to see. I found an old emergency car light I had bought years ago. I planned on using it in an emergency kit until I powered it up. It had a small 12 volt DC bulb that was dim and drew a lot off power. I had some more strings of LEDs I had bought off of Ebay for a couple of dollars. These are made to run on 12 VDC and only draw 100 MA of current. I pulled the old bulb out and soldered the LEDs in the light. It now puts out a very bright white light and will last a long time on battery power. The LEDs also have a lifetime of up to 100,000 hours before failure. If you have 12 VDC lighting fixtures consider upgrading to LED technology. They have really improved over the years.

## AMATEUR PACKET UPDATE

By: James Butler - KB4LJV

Having an antenna for multiple HF bands while mobile is always a compromise and a challenge to do properly . Stealth Telecom has taken their commercial and military design mobile antenna and made it available on the ham market. The antenna has a unique profile, but its main design element is a built-in active antenna tuner that is compatible with most HF rigs. It can handle power levels to 200 watts. Tough and waterproof this antenna tunes in under .5 sec when you transmit and has 200 memory channels for tuning settings. If you are looking for a HF band antenna for mobile operation check out this one from Stealth Telecom. Their website is <http://www.stealth-tele.com/plugins/custompages/Home.php>



## HUNTSVILLE HAMFEST BUS TRIP – August 17, 2013

Submitted by: Joe Lowenthal WA4OVO, Director of Training

DARC is sponsoring a 50-passenger bus to go to the Huntsville Hamfest on August 17, 2013. There is a graduated scale fare for the bus trip. The fare is \$65 if paid by August 13, 2013, and \$70 if paid after August 13th. The fare includes the \$8 hamfest entry ticket. There will be biscuit sandwiches, water, sodas, chips, and fruit on the bus going to Huntsville and whatever is left for the trip back.

Cash or checks will be accepted for payment. Make checks payable to Delta Amateur Radio Club. You can pay at the August meeting. You can also send your check to Joe Lowenthal WA4OVO, 6675 Ashbridge Cove, Memphis, TN 38120. Please include your name, callsign, cell phone number, and email address.

**Reservations will be on a first come first paid basis.**

The bus will leave Ellendale Church of Christ, 7365 Highway 70, Bartlett, TN at 6:00am on August 17th. A second pickup point will be at Germantown Baptist Church, 9450 Poplar Avenue at Johnson Road, Germantown, TN at approximately 6:30am. The bus will leave Huntsville immediately after the 4pm door prize drawing and return to Germantown Baptist Church approximately 7:45pm and Ellendale Church of Christ at approximately 8:15pm.

Ellendale Church of Christ has asked us to park in the larger parking lot on the west side of the building to leave the east side open for church activity parking.

The pickup point at Germantown Baptist Church will be on the east side of the church (toward Collierville) in Lot G just north of the baseball diamonds in the front and south of the gym (called the CORE).

## 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*

24 Technician

26 General

7 Extra

**New to the Basic Electronics Class is information on a Google website created by Alan Proffitt AE5RX.**



## ***CLASSES IN PROGRESS***

### ***Technician Class 4-13 – July 8 – August 12, 2013***

Tech Class 4-13 is being held on 6 Monday nights at 6:15-9:30pm from July 8<sup>th</sup> through August 12<sup>th</sup> at Lord of Life Lutheran Church, 6865 Poplar Pike. There are 24 students attending.

The FCC exam was given on the 5<sup>th</sup> night of the class. Congratulations to Tara Orr KK4SZM, Doug Cannon KK4SZN, Ric Honey KK4SZO, Grieg Pedersen KK4SZP, and Jimmy Butler KK4SNQ who earned their Technician licenses.

Congratulations to Casey Nepa KK4SZR who earned his Technician and General licenses.

Congratulations also to David Allen KV4PG and Mike Hodgetts KV4QC for earning Technician, General, and Extra.



Tech Class 4-13

Photo by Joe Lowenthal WA4OVO

The 6<sup>th</sup> night will be a repeater basics class with orientation on D-Star, Echolink, APRS, satellites, Winlink, and HF. Joe Lowenthal WA4OVO and Pat Lane W4OQG are the instructors. Ed Arndt KV4LF and Bill Stevens WC9S provided guidance during the question pool review. The class Elmers are Bill Stevens WC9S, Rick Tillman WA4NVM, Richard Martin K4DXF, Harry LaVoice KV4LD, Geoff Wilson KV4LE, and Ed Arndt KV4LF. The WCARS VEs were Win Guin W2GLJ, Bill Stevens WC9S, Rick Tillman WA4NVM, Richard Martin K4DXF, David Gilbert AJ4LV, Ken Laseter KI4AOH, Linda Laseter KJ4CTW, and Gary Weatherford W5EMA.

## ***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](mailto: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 901-628-4318. 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*, 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 901-628-4318. A new question pool became effective July 1, 2011. The new textbook is *The ARRL General Class License Manual, Seventh Edition, item #8119, ISBN 978-0-87259-811-9*. This edition with its question pool is valid through June 30, 2015. Lately, we have been running a combined Technician-General class. You will be notified by email or phone when the class is set.

### ***Basic Electronics Class***

Basic Electronics is geared toward bridging the gap between the General and Extra Class licenses. There will not be a Basic Electronics class in the class room anymore since there is so much on the internet. However, Alan Proffitt AE5RX has created a Google website for basic electronics for the Delta Club with useful links. Click on <https://sites.google.com/site/darcelectronics/my-forms> and then click on syllabus.docx at the bottom of the list. Alan, [alan.proffitt@comcast.net](mailto:alan.proffitt@comcast.net), will refer 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](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, WA4OVO, at [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) or call at 901-628-4318. You will be notified by email or phone when the class is set. Classes have been held on Saturdays for 6 or 7 weeks in January and February.



## COMPLETED CLASSES

### *Tech Class 4-11 Revisited*

Congratulations to Bailia Chomyk KK4QGE on earning her Technician license at FreeFest on April 13<sup>th</sup>.

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

General Class 3-13 was 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 were 21 students at the first class.

Congratulations to Alex Campbell KJ4NWC, Dorothy Campbell KF5TAV, David Carey KJ4KUR, Carol Cram KK4DMA, Mike Dawson KK4PRO, Urania Erskine KK4POK, Nancy Forsyth KK4PRW, Eric Johnson KK4PRN, Janet Kelly KK4PRT, Michael Knight KK4IOH, Bryan Lemieux KK4NET, Blake Noland KK4NES, Chuck Pigue KK4NEO, Lance Ray KK4GQP, Paul Rosenblatt KK4DMD, Jenny Stafford KK4GQQ, Linda Taylor KK4PRU, Otis Warr KI4TLL, and Aaron Alexander KI4OTH for upgrading to General. Congratulations also to Trey Campbell KJ4NWE for upgrading to Extra. Ben Campbell KJ4NWD upgraded at the Delta Club June 11<sup>th</sup> test session.



General Class 3-13 with Ed Arndt KV4LF leading the class.  
Photo by Joe Lowenthal WA4OVO

Joe Lowenthal WA4OVO, Ed Arndt KV4LF, and Pat Lane W4OQG were the instructors. Pat Lane W4OQG completed the training with an orientation on HF operation using a Kenwood TS -570 as illustration. Thanks to the Elmers of Bill Stevens WC9S, Harry LaVoice KV4LD, and Geoff Wilson KV4LE for answering student questions.

Thanks to the Delta Club's ARRL VE team of Bill Stevens WC9S, Jeff Krause AJ4GY, Ed Arndt KV4LF, Roger Schlichter WR4R, and Joe Lowenthal WA4OVO for providing the FCC exam testing.

*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*

## **"CASUALTIES" NEEDED FOR AIRPORT DRILL**

Submitted by: Joe Lowenthal WA4OVO, Director of Training

There will be a live crash Drill at the Memphis airport on September 9, 2013. Federal Aviation Administration (FAA) requires a live crash drill at least every 3 years. Volunteers are needed in the drill as crash casualties. This will be a very large and "intense" drill with nearly all local area emergency response units and facilities participating. Although the participation assists the responders in the drill, it is a good learning experience for volunteers as well. Volunteers will act as "victims", then be triaged. Some volunteers will be transported to local hospitals.

Here are some drill "bullet points" (details are in the attached document):

1. The date is September 9, 2013 (Monday).
2. Volunteers will be asked to arrive between 7:30a.m. and 8:00a.m and
3. The exercise will last approximately 4-5 hours (or until around 2:30pm for those being transported to the hospitals).
4. Many, if not all, local emergency management/response agencies are expected to participate.
5. We will have outside observers to review and critique how we address the crash scenario.
6. Breakfast and lunch will be provided.
7. If you have a large group, a bus can possibly be provided for pickup for your group.

To register for the exercise, complete the Volunteer information form attached and send to Lori Morris .  
The contact person is Lori Morris at: [lorim@mscaa.com](mailto:lorim@mscaa.com) or phone [\(901\) 922-8754](tel:9019228754)

It is not a requirement to be registered with the MRC (Medical Reserve Corps) for this exercise.

## 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

### **2013 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  
[k4dxf@att.net](mailto:k4dxf@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  
901-628-4318  
[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).

<b>DATE</b>	<b>EVENT</b>	<b>COORDINATOR</b>	<b>CONTACT INFO.</b>
<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>

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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 IN DIA 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 628-4318.

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)



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

**Ned Savage**

**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

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SUITE 202  
MEMPHIS, TN 38119  
TN LICENSE C-0291



# ADVERTISEMENT ORDER FORM



## Delta Amateur Radio Club Sparks Advertising Order Form

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

### TO PLACE AN ORDER

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

### SPARKS ADVERTISING

<b>FULL PAGE</b>  <b>\$50.00</b> for 3 Months 7" w X 8 ½" h  <input type="checkbox"/>			<b>HALF PAGE</b>  <b>\$25.00</b> for 3 Months 7" w X 4" h  <input type="checkbox"/>			<b>¼ PAGE</b>  <b>\$15.00</b> for 3 Months 3 ½" w X 4" h  <input type="checkbox"/>			<b>BUSINESS CARD</b>  <b>\$10.00</b> for 3 Months 3 ½" w X 2" h  <input type="checkbox"/>		
Jul 2013	Aug 2013	Sept 2013	Oct 2013	Nov 2013	Dec 2013	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 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**

This membership current through December 2013

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 \_\_\_\_\_