

# DELTA AMATEUR RADIO CLUB

# SPARKS

P.O. Box 750482 \* Memphis, Tennessee 38175 -0482 \* Volume 19 \* June 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:** June 11, 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:** “Police Communications”  
Presented by: Tim Marrow AB4NH and Gary Blinkman

Also, they will have an EOC communication van on static display so come early and tour the van before the meeting.

**PLEASE PARK NEXT TO THE CHURCH BUILDING OR ON THE EAST SIDE OF THE CHURCH AND NOT IN THE MIDDLE OF THE WEST PARKING LOT. THIS WILL ALLOW ROOM FOR THE EOC VAN TO NAVIGATE THE PARKING LOT.**

**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 look back on the Dayton Hamvention*

Happy June to all! As the title suggests, the OM (W5VAA) and I were able to attend the Dayton Hamvention last month. For any ham, attending "Dayton" is a must. There's always so much to see that it's almost impossible to see everything. We saw several Memphis-area hams while we explored the flea-market and main buildings.

The big radio-guys (Icom, Kenwood, Yaesu) all attended. Icom had their new radios available to discuss and eye-ball but not to buy. We took a hard look at the new IC-7100 Multi-band All Mode Mobile Radio with Touchscreen Interface and Built-in D-STAR...*N-I-C-E!* Final word on release date is pending, as well as pricing.

I did come home with new a toy; a Bionics' Micro-Trak All-In-One (AIO) APRS Transmitter. The Micro-Trak is a self-contained, water resistant, portable, 10-watt APRS tracker. It operates using 8 conventional AA batteries or a 12V power supply. I'm having great fun tracking the OM (*just kidding Baby!*) and it gives

And finally, I won a Hamvention prize. Nothing of note but I did get a giggle out of it.

In closing, I hope all the Dayton attendees enjoyed themselves as much as I did. Have a great month and as always, be SAFE. 73!



## TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of May 1, 2013</b>	<b>\$12,523.29</b>
<b>Expenses</b>		
David Gilbert	Meeting Treats	\$21.69
Jams Enterprizes	Door Prizes	\$274.74
		<b>Total Expense</b>
		<b>\$296.43</b>
		SubTotal
		<b>\$12,226.86</b>
<b>Income</b>		
Membership Dues	Year 2013	\$192.50
Tickets	November Drawing	\$85.00
Donations		\$5.00
Huntsville Bus Trip	2013 Ticket	\$240.00
		<b>Total Income</b>
		<b>\$522.50</b>
<b>Ending Balance</b>	<b>as of May 31, 2013</b>	<b>\$12,749.36</b>

Submitted by Rick Tillman WA4NVM

## **BOARD MEETING MINUTES**

May 7, 2013 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Richard Martin, Rick Tillman, Bill Stevens, David Campbell, Rosalinda Melena, David Gilbert, Steve Smith, Joe Lowenthal, Tom Raggett

1. Programs—May program will be a presentation using Ham Radio Deluxe and Skype to communicate. Jeff Krause will do the program. June program will cover Police Communications.
2. Field Day—Field Day is currently schedule for St. James Catholic Church. The details will be covered at the June Meeting. Joe Lowenthal will do article to be included in SPARKS.
3. Huntsville Hamfest Bus Trip—Information is to be included in SPARKS.
4. Training—There is a Tech class planned beginning July 8 and continuing through August 12. The recent General class completed May 6, 2013 yielded 18 new Generals and 1 new Extra.
5. Mailing List—The mailing list is updated and will continue to be updated as new members join the DARC.
6. Director of Youth—Aaron Alexander was named Director of Youth. His bio will be communicated in SPARKS,
7. Meeting Adjourned—Rick Tillman made motion, Richard Martin seconded.

## **GENERAL CLUB MEETING MINUTES**

May 14, 2013 - Presented by: Tom Raggett KJ4LMH

1. President Rosalinda Melena called the meeting to order.
2. Introductions were held.
3. Minutes—Board meeting minutes and General meeting minutes were approved as published in SPARKS. Ham Hilliard made motion to approve, Larry McMillin second.
4. Treasury Report—Treasury report was approved as published in SPARKS. Ham Hilliard made motion to approve, Steve Smith second.
5. Tour de Cure Bike Ride for Diabetes—Denise Ganuchau reported that the weather forced postponement of the race. Because of logistic issues, DARC did not participate in the follow -up.
6. March for Babies—Linda Laseter reported that the March for Babies was also affected by th e weather but it continued and was completed.
7. Memphis in May Triathlon—Ned Savage asked for volunteers to sign up for the Triathlon to be held in Tunica.

8. Dayton Hamfest—Many members going to the Dayton Hamfest.
9. Testing—3 new Techs and 3 new Generals. Joe Lowenthal also mentioned that there were 18 new Generals and 1 Extra from the class completed on May 6, 2013. A new Tech class will be held July 8 lasting through August 12.
10. Armed Forces Day—Multiple contacts were made and some of the new Hams attended and were able to operate.
11. Huntsville Hamfest Bus Trip—The bus has max of 50 people. A summary of the trip was given by Joe Lowenthal including the prices.
12. Swamp Stompers—Danny Banks made presentation to the people who volunteered for the Swamp Stompers event.
13. Program—Jeff Krause gave presentation on Remote control of Radio using Ham Radio Deluxe and Skype. Next month's program will be on Police Communications.
14. Drawing for door prizes
15. Ned Savage made announcement that there would be a meeting of the American Meteorological Society at the Agricenter on May 21, 2013.
16. Meeting adjourned.

### **AMATEUR PACKET UPDATE**

By: James Butler - KB4LJV

MFJ has expanded their line of SSB travel radios with the addition of one that covers 17 meters. The units are monoband units with power in the 12 watt range. They are small, easy to run with only a few knobs and work great. I have the 10 meter and the 20 meter versions and they do a great job on the bands. Check out the new MFJ-9417 and the other band SSB radios on the MFJ site. You can download their latest catalog at <http://www.mfjenterprises.com/catalog.php>

### **AMATEUR HARDWARE UPDATE**

By: James Butler - KB4LJV

Many times when we travel we use our mobile FM rigs. We have mobiles in the car and handhelds. Finding repeaters along the way and when we get to our destination can now be done online. We can go to several websites to get the latest repeater information for any area of the country. These sites also allow printing of the repeater info. One site I like is <http://www.artscipub.com/repeaters/> website. They have a nice database of repeaters. I printed out an updated list of local repeaters, as well as ones in the tri-state area for when I travel. I put them into a small bound book to carry so I will have the information ready to use. These can be put in the glove box and used when needed. To find other sites that list repeaters just "google" amateur radio repeaters.

## 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 \$60 if paid by June 24, 2013. 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 a 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 6:40am. The bus will leave Huntsville immediately after the 4pm door prize drawing and return to Germantown Baptist Church approximately 7:30pm 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) just north of the baseball diamonds and south of the gym (called the CORE) between the gym and the baseball diamonds to the front.

## 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

15 Technician

22 General

5 Extra

### **CLASSES IN PROGRESS**

None

## CLASSES PLANNED

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

A Technician class will be 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. Joe Lowenthal WA4OVO and Pat Lane W4OQG are the instructors. The FCC exam will be given on the 5<sup>th</sup> night of class. The 6<sup>th</sup> night will be a repeater basics class with orientation on D-Star, Echolink, satellites, Winlink, HF, and APRS. If you are interested in the class or know someone who is, send an email to Joe Lowenthal at [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) with subject line Technician Class and the name, email address and cell phone number.

## 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 901-683-2701. 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 NCVET 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, WA4OVO, 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**

#### ***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.



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 4-11 Revisited***

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

***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***

**MAINE BALLOON LAUNCH**

Submitted by: Joe Lowenthal WA4OVO, Director of Training

On June 1<sup>st</sup> I attended the Pine State Amateur Radio Club hamfest at the Hermon Maine High School. Richard Eason AA1PJ, a professor from the University of Maine Electrical & Computer Engineering Department, facilitated a balloon launch with college and high school students helping. It was amazing to see from the preparations to touchdown. The balloon had a 2-meter/70cm (147.57/446.100) repeater and APRS (144.39) on board, as well as a 1296 wireless camera, and temperature, CO<sub>2</sub>, and UV sensors on 433.200 via W1YA. The repeater was used for the tracking party to keep in contact with each other, as well as net control making contacts from distant stations. Last year they had a QSO on the repeater from 362 miles away. At the hamfest they followed the balloon's progress (KB1ZIH) by projecting APRS.fi onto a screen from inside the school. This year it reached 94,000 feet. Two years ago it made it to 97,000 feet.



(2) The temperature, CO<sub>2</sub>, and UV sensor package



(1) Richard Eason AA1PJ oversees preparation for the balloon launch. The balloon is attached to the U-hook in near field. Then the parachute with repeater after it. Note the J-pole antenna attached to the string. Then the temperature, CO<sub>2</sub> and UV sensor package.

Richard Eason AA1PJ oversees preparation for the balloon launch. The balloon is attached to the U-hook in near field. Then the parachute with repeater after it. Note the J-pole antenna attached to the string. Then the temperature, CO<sub>2</sub> and UV sensor package.





(3) The 1296 wireless camera



(4) Adding the helium to the balloon.



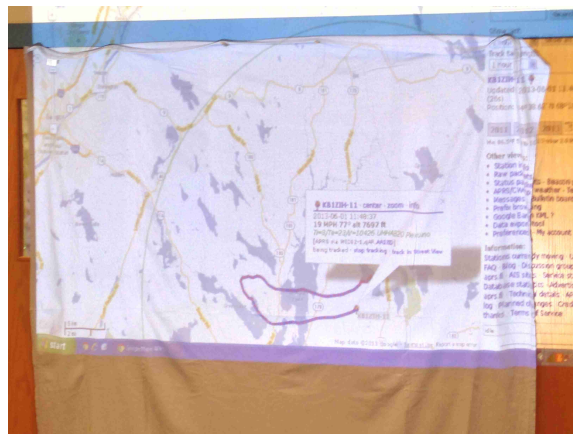
(5) Inflating the balloon.



(6) Start of the launch.



(7) In the air.



(8) APRS tracking of KB1ZIH. The blue track is for the last hour.

All photographs taken by  
Joe Lowenthal.

## 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  
[k4dxkf@att.net](mailto:k4dxkf@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).

<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 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**

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\_\_\_\_ CASH \_\_\_\_ CHECK # \_\_\_\_\_ AMOUNT \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_  
PROCESSED BY SECRETARY \_\_\_\_\_ DATE \_\_\_\_\_  
PROCESSED BY TREASURER \_\_\_\_\_ DATE \_\_\_\_\_  
PROCESSED BY DISTRIBUTION \_\_\_\_\_ DATE \_\_\_\_\_