

# DELTA AMATEUR RADIO CLUB

# SPARKS

P.O. Box 750482 \* Memphis, Tennessee 38175 -0482 \* Volume 18 \* December 2012



**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:** December 11, 2012 (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:** “Christmas Pot Luck Dinner and Awards Presentations”  
Part of the awards program is that Dave Norris K5UZ, ARRL Delta Division Director, and Henry Leggett WD4Q, former Delta Division Director will be presenting the ARRL Herb S. Brier 2012 Instructor of the Year Award to Joe Lowenthal WA4OVO.

**REMINDER:** December is our annual Pot-Luck dinner meeting. Please remember to bring a covered dish. ALSO, remember, there will be NO TESTING IN DECEMBER.

**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

Happy December to all!

As we enter this holiday season, I look back at a very busy year. Club business was challenging but fun. I upgraded my ham ticket to ext ra. And, with the help of some great local hams, we (KI4YOP and I) finally got our tower raised. As hams; how better to close out a year?

With the holiday season upon us, we all want to decorate our homes to reflect the happiness and joy this season brings. With a little forethought and some simple tips, from the U.S. Fire Administration, you can make the holidays safe for your home and family.

1. Place trees away from heat sources, including fireplaces or heat vents. The heat will dry out the tree, causing it to be more easily ignited by heat, flame or sparks.
2. Keep the live tree stand filled with water at all times.
3. Visit the U.S. Fire Administration's website for more information.

In closing, I want to wish everyone a happy holiday season. Be blessed. Be safe!

## ELECTION OF OFFICERS

By: Kenneth Laseter KI4AOH

The following members were re-elected. Thanks to everyone for their support.

President -----	Rosalinda Melena
Vice-President -----	Richard Martin
Secretary -----	Tom Raggett
Treasurer -----	Rick Tillman
Director of Publications -----	Kenneth Laseter
Director of Programs -----	David Campbell
Director of Training -----	Joe Lowenthal
Director of Meetings & Special Events -----	David Gilbert

## SKYWATCHING EVENTS

By: Rosalinda Melena WN2V

Throughout 2012, I've been providing information on must-see skywatching events, as listed by [Scientific American](#). Don't miss the last events of 2012.

Dec. 13-14: Geminid meteor shower

If there is one meteor display guaranteed to put on a very entertaining show it is the Geminid meteor shower. Now considered by most meteor experts to be at the top of the list, surpassing in brilliance and reliability even the August Perseids.

Bundle warmly against the winter chill; you can start observing as soon as darkness falls on the evening of Dec. 13 as Gemini starts coming up above the eastern horizon and continue through the rest of the night. Around 2 a.m. when Gemini is almost directly overhead, you might see as many as two meteor sightings per minute ... 120 per hour! And the moon is new, meaning that it will not be a factor at all.

Dec. 25: Christmas evening and Jupiter

On Christmas, many will be looking skyward and wondering what that brilliant silvery "star" is hovering just above the waxing gibbous moon. It's not a star (or Santa returning to the North Pole), but the largest planet in our solar system, Jupiter, serving as a sort of holiday ornament with our nearest neighbor in space to cap off a year of interesting and predictable sky events that we all can enjoy!

As always, take care and be safe!

### TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of November 1, 2012</b>	<b>\$8,151.81</b>
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#### Expenses

	November Gifts	\$150.00
Post Master	P. O. Box	\$124.00
SERA	Repeater Dues	\$30.00
	<b>Total Expense</b>	<b>\$304.00</b>
	SubTotal	<b>\$7,847.81</b>

#### Income

Membership Dues	Year 2013	\$300.00
Tickets	November Drawing	\$840.00
Donation		\$15.00
	<b>Total Income</b>	<b>\$1,155.00</b>

<b>Ending Balance</b>	<b>as of November 30, 2012</b>	<b>\$9,002.81</b>
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Submitted by Rick Tillman WA4NVM

## **BOARD MEETING MINUTES**

November 6, 2012 - Presented by: Tom Raggett KJ4LMH Secretary

1. Board members and others present:  
David Campbell, Ken Laseter, Joe Lowenthal, Bill Stevens, Rick Tillman, David Gilbert, Rosalinda Melena, Steve Smith, Tom Raggett
2. Rick Tilman presented Treasurer report and was approved by Board.
3. It was noted and agreed that only paid members would be eligible to vote in the officer election.
4. Tom Raggett will bring two copies of the sign in sheets to the November meeting. Rosalinda and Tom will check and hand out ballots as members arrive. No sign in sheets on the table.
5. Bill Stevens will change time on repeater.
6. The Board needs nominations for Ham of the Year, and New Ham of the Year.
7. The Board approved three 50 dollar bills for door prizes.
8. Special recognition for individuals in the DARC will be held next month.
9. Program this month is the Election of Officers for 2013 and the Prize drawing.
10. Meeting adjourned.

## **GENERAL CLUB MEETING MINUTES**

November 13, 2012 - Presented by: Tom Raggett KJ4LMH

1. Meeting was called to order by President Rosalinda Melena.
2. Introductions were held.
3. Ham Hilliard made motion to approve minutes as published in SPARKS, Jeff Krause seconded. Minutes approved.
4. Rick Tilman presented Treasurer Report. Ham Hilliard made motion to approve, Bill Covington seconded. Report approved.
5. Bill Stevens reported testing produced 5 new generals.
6. Joe Lowenthal reported that new training class has 18 students. Joe announced that there will be a Basic Electronics course after January 1, 2013. Please contact Joe to register and purchase materials for class.
7. Dennis Foster gave report on Bartlett Christmas Parade. He needed additional volunteers and had sign up sheet. Communication is coming after St. Jude marathon.

8. Roger Schlichter reported on the St. Jude Marathon. He had adequate number of operators. He noted that the assignments would be sent via e mail the week before the marathon.
9. Meeting was recessed to count election votes.
10. After counting the votes, the officers were presented and will be effective January 1, 2013.
11. The annual drawing was held and there were several happy winners .
12. Announcements.  
There were some maps and magazines donated by members that were free for the taking.
13. December meeting will be the Annual Pot Luck dinner. Everyone is encouraged to bring a dish. Club will furnish meat.
14. Ham Hilliard made motion to adjourn, Jeff Krause seconded. Meeting adjourned.

### **AMATEUR PACKET UPDATE**

By: James Butler - KB4LJV

When we put up antennas for communications we always need hardware to insure the installation goes smoothly. DX Engineering has come out with a complete hardware line of accessories to help make antenna installations better and safer. They have a line of saddle clamps made from aluminum so they do not rust; also heavy duty saddle clamps made of cast aluminum. They include stainless steel hardware. They have also designed a line of resin support blocks to allow mounting tubing to a flat surface. DX Engineering has also designed a set of band clamps with a welded stud to allow mounting after you clamp it to your round tubing. To see all the new antenna hardware they support, go to their web site, [www.dxengineering.com](http://www.dxengineering.com) .

### **AMATEUR HARDWARE UPDATE**

By: James Butler - KB4LJV

Many times when we work with QRP radios and older QRP rigs, the audio output leaves a lot to be desired. Radio Shack built a speaker amplifier for years that combined a small speaker with an LM386 amplifier IC in a box. The unit would run on a 9 volt battery or an AC adaptor. It has a volume control on the unit along with a 1/8 jack for audio input. It plays through the built in speaker or has a 1/8 inch jack for hooking up an external speaker. These units were popular and show up used at hamfests a lot. They sold new for about \$10.00. I have bought several over the years and I painted them to match equipment I run them with. They work great for amplifying weak audio to more comfortable levels. Keep an eye out at hamfests as the used ones are cheap.



## 2012 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 2012 from Delta Classes

66 Technician

13 General

6 Extra

### **CLASSES PLANNED**

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

Extra Class 1-13 will be held on six Saturdays from January 12<sup>th</sup> to February 23<sup>rd</sup> except for January 26<sup>th</sup>. Classes will be from 9am to 1pm at Baptist Women's Hospital, 6225 Humphreys Blvd. The text to be used is the new ARRL Extra Class License Manual Tenth Edition, ISBN 978 -0-87259-517-0. The instructors are Joe Lowenthal WA4OVO, Dean Honadle N2LAZ, Alan Proffitt AE5RX, and Pat Lane W4OQG. If you are interested, send an email to [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) with subject line Extra Class and your name, email address and cell phone number.

### **CLASSES IN PROGRESS**

#### ***Technician Class 5-12 – November 5-December 10, 2012***

Tech Class 5-12 is being held on six Monday nights from November 5<sup>th</sup> to December 10<sup>th</sup>. Twenty-six students attended the first class at Lord of Life Lutheran Church, 6865 Poplar Pike. On the fifth night of class fifteen students attended the question pool review and took their exam. The sixth night will be a class on repeater basics and operating demonstrations for the Technician Class licensee.

Congratulations to Asa Baker, Robby Shappley, Yue Wu, Charles Pigue, Al Gabriel, Dorothy Cantrell, Bill Walsh, Joe Miller, Colin Noland, Bryan Lemieux, Mark Furr, Bob Etherton, Marc Byrd, Ray Noland, Mike Elliot. Two students had previously received their license: Adam Miller KK4LPF and Adrienne Murphy KF5RZE. Additional congratulations to Asa Baker, Bob Etherton, and Ray Nolan d for also earning their General Class license.



Tech Class 5-12 taking their exam  
Photo by Joe Lowenthal WA4OVO

The instructors for the class are Joe Lowenthal WA4OVO and Pat Lane W4OQG. Elmers for the class are Bill Stevens WC9S, Rick Tillman WA4NVM, Richard Martin K4DXF and Harry LaVoice KK4GQN.

The Delta Club VE Team of Bill Stevens WC9S, Richard Martin K4DXF, David Gilbert AJ4LV, Jeff Krause AJ4GY, Stacy Krause KJ4MDA, Ken Laseter KI4AOH, Ray Turner N0ELE, and Joe Lowenthal WA4OVO provided the FCC testing.

### **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 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, 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**

*Technician Class 4-12 – July 2-August 6, 2012*

*General Class 3-12 – March 26 – May 7<sup>th</sup>, 2012*

*Technician Class 2-12 – January 21st & February 4th, 2012*

*Extra Class 1-12 – January 14 – February 25, 2012*

*Tech Class 2-12 Revisited*

*Troop 457 Merit Badge College – February 11, 2012*

*Troop 225 Merit Badge Class – February 11, 2012*



## 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@arrl.net](mailto:KJ4LMH@arrl.net)

**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)

## CHRISTMAS POEM

Submitted by: Richard Martin K4DXF, Vice -President

### T'was the Night Before Christmas

-----

T'was the night before Christmas and all through two meters,  
not a signal was keying up any repeaters.

The antennas reached up from the tower quite high,  
to catch the weak signals that bounced from the sky.

The children, Technicians, took HT's to bed,  
and dreamed of the day they'd be Extras instead.

Mom put on her headphones, I plugged in the key,  
and we tuned 40 meters for that rare ZK3.

Then the meter was pegged by a signal with power!  
It smoked a small diode and I swear shook the tower!

Mom yanked off her 'phones, and with all she could muster,  
logged the signal right now on the DX PacketCluster.

Then I ran to the window, peered up to the sky,  
to see what could generate RF that high.

It was way in the distance, but moonlight made it gleam:  
a flying sleigh with an eight element beam.

The little old driver, he looked slightly mean.  
So I thought for a moment it might be Wayne Green.

But no, it was Santa -- the Santa of hams,  
on a mission this Christmas to clean up the bands.

He circled my tower, then stopped in his track,  
and slid down the coax right into the shack.

While mom and I hid behind stacks of CQ,  
this Santa of hamming knew just what to do.

He cleared off the shack desk of papers and parts,  
and filled out my late QSL's for a start.

He ran copper braid, took a big rod and pounded,  
'til all of the station equipment was grounded.

He tightened loose fittings, resoldered connections,  
cranked down modulation, installed lightning protection.

He neutralized tubes in my linear amp  
(never worked right before, now it works like a champ!).

A new low-pass filter cleaned up the TV,  
and he fixed all the settings in my TNC.

He fixed the computer that would not compute,  
and backed up the hard drive and got it to boot.

Then he reached really deep in that bag he had brought,  
and he pulled out a box - a new rig, so I thought.

A Kenwood? An Icom? A Yeasu, for me?  
If he thought I'd been bad, it might be QRP!

The ultimate station! Did I deserve this?  
Could it be all those hours I worked public service?

He hooked it all up, and then all very quickly,  
worked 100 countries all down on 160.

I should have been happy (it was my call he sent),  
but the cards and the postage will cost two months' rent!

He finished up, then left a note by the key:  
"to a good ham from Santa Claus -- 73!".

Then he grabbed his HT, looked me straight in the eye,  
punched a code on the pad, and was gone -- no good bye.

I ran back to the station. The pileup was big,  
but a card from St. Nick would be worth my new rig.

Too late, for his final came over the air.  
It was copied all over and heard everywhere.

The ham's Santa said what a ham might expect:  
"Merry Christmas to all, and to all, good DX!"

*Reprint from... Chicago FM Club and the Rocky Mountain Radio League*

<b>PUBLIC SERVICE EVENTS --- 2012</b>
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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 2012</b>			
15 <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>March 2012</b>			
None			
<b>April 2012</b>			
28 <sup>th</sup>	March for Babies (March of Dimes).	Linda - KJ4CTX	<a href="mailto:llaseter@laseterinc.com">llaseter@laseterinc.com</a>
28 <sup>th</sup>	Tour de Cure	Denise - KJ5DG	<a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a>
<b>May 2012</b>			
19 <sup>nd</sup>	Memphis in May Triathlon.	Ned - KA4BLL	<a href="mailto:ka4bll@arrl.net">ka4bll@arrl.net</a>
<b>September 2012</b>			
8 <sup>th</sup> & 9 <sup>th</sup>	MS 150 Bike Ride	Darrell - KK4D	<a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a>
<b>December 2012</b>			
1 <sup>st</sup>	St. Jude Marathon	Roger - WR4R	<a href="mailto:wr4r@bellsouth.net">wr4r@bellsouth.net</a>
8 <sup>th</sup>	Bartlett Christmas Parade	Dennis - KJ4BDU	<a href="mailto:dcvv3714@aol.com">dcvv3714@aol.com</a>
<hr/>			
TBA	Juvenile Diabetes Research Foundation Walk	Kathleen - KC0HZU	(No Contact Information)

## MEMPHIS AREA VHF/UHF NETS

Net Name	Freq. MHz	Local Time	Day
Mid-South Barefooted Bullfr og 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**  
*Company*

Installers of  
commercial & residential  
ceramic, quarry, marble & slate tiles  
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5579 Federal Avenue  
Memphis, TN 38118-7918

Ned Savage

35 YEARS of EXPERIENCE

# 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 KI4AO H 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"/>		
Jul 2012	Aug 2012	Sept 2012	Oct 2012	Nov 2012	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	Jun 2013





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