

DELTA AMATEUR RADIO CLUB

SPARKS

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



Welcome to the Delta Amateur Radio Club

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

W4BS
REPEATER SYSTEM
146.820^{-107.2} 147.360^{-107.2}
224.420 443.200

NEXT CLUB MEETING

DATE: February 12th, 2013 (2nd 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: “Inside ARRL Headquarters and You”
Presented by: Joe Lowenthal WA4OVO

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

PRESIDENT'S CORNER

By: Rosalinda Melena WN2V

A happy February to all. February finds me wondering what happened to my New Year's resolution (to use my car turn signals...that didn't last a week!), planning business events and fighting off a hairy -legged strain

of flu. As I considered topics for this month's article, fate would present an interesting conversation with a "newbie" ham.

In short, this new ham was having a little trouble figuring out an HT. He was feeling a little intimidated because the radio functions weren't as clear as the manual made them out to be. That's when I pointed out; a new piece of equipment can be challenging to even the most "seasoned Elmer". That's all it took to change the tone of the conversation.

I have every confidence in this, and all the new hams. Remember, you're licensed hams. Don't be afraid to ask questions. *"He who is afraid to ask is ashamed of learning."* --Danish proverb.

As always, 73 to all. Be safe!

DO 1 THING

By: Rosalinda Melena WN2V

Ham radio operators are no strangers to the idea of being prepared if a disaster were to strike. The better our families and communities are prepared the faster our emergency responders can help. There is a great program called "Do 1 Thing," you can [check them out here](#) and get your family ready.

Note: "Do 1 Thing" is a non-profit organization that wants to help build stronger communities. When people in our community are prepared, emergency responders can help more people. When people are prepared themselves, they can help their neighbors.

ARRL FIELD DAY DATE

By: Rosalinda Melena WN2V

Make sure you have the right date on your calendar. Per the ARRL Website, 2013 Field Day is June 22-23! (<http://www.arrl.org/field-day>)

Field Day is always the fourth full weekend in June; [beginning at 1800 UTC Saturday and running through 2059 UTC Sunday](#). June 2013 has five weekends in it, so make sure you have the correct date! Field Day 2013 will be the weekend of June 22-23.

COMPUTER CORNER

By: Rosalinda Melena WN2V

Do you know the following **Windows 7** keyboard short-cuts? Try them out sometime. They might surprise you.

Windows system key combinations

- ALT+TAB: Switch between open programs
- ALT+F4: Quit program

Windows program key combinations

- CTRL+C: Copy
- CTRL+X: Cut
- CTRL+V: Paste
- CTRL+Z: Undo
- CTRL+B: Bold
- CTRL+U: Underline
- CTRL+I: Italic
- CTRL+N: Create a New document
- CTRL+O: Open a document

General keyboard-only commands

- SHIFT: Press and hold down the SHIF T key while you insert a CD-ROM to bypass the automatic-run feature

TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

Beginning Balance	as of January 1, 2013	\$9,778.22
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Expenses

Ham Store	Monthly Gifts	\$43.94
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Total Expense	\$43.94
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SubTotal	\$9,734.28
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Income

Membership Dues	Year 2013	\$810.00
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Tickets	November Drawing	\$115.00
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Donations		\$50.00
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Total Income	\$975.00
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Ending Balance	as of January 31, 2013	\$10,709.28
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Submitted by Rick Tillman WA4NVM

2013 PROPOSED BUDGET

Submitted By: Rick Tillman WA4NVM

EXPENSES

TN Annual Report	\$20.00
Meeting Space (Donation)	\$200.00
Meeting Refreshments	\$200.00
Food (Dec. meeting)	\$100.00
Door Prizes (monthly)	\$240.00
Attendance Incentives (Nov.)	\$1,250.00
Certificates & Awards	\$75.00
P. O. Box (yearly rental)	\$124.00
Liability	\$200.00
Equipment	\$139.00
Projector bulb	\$250.00
Supplies	\$50.00
Repeater Repairs or Upgrades	\$2,000.00
SouthEastern Repeater Asso.	\$30.00
Field Day	\$500.00
Trailer Repairs, etc.	\$250.00
Sound System (portable)	\$300.00

TOTAL EXPENSES **\$5,928.00**

INCOME

Donations (cash)	\$200.00
Consignment, Donated Gear, etc.	\$100.00
Membership (Jan. 1 thru Dec. 31)	\$2,500.00
Ticket Sales (Nov. meeting)	\$1,300.00
Club Patches	\$50.00
Advertisement	\$40.00

TOTAL INCOME **\$4,190.00**

Checking Account Bal. 1/1/2013	\$9,778.22
Certificate of Deposit	\$10,000.00

BOARD MEETING MINUTES

January 1, 2013 - Presented by: Tom Raggett KJ4L MH Secretary

Board meeting was held via conference call.

1. Member s Present: Rosalinda Melena, Richard Martin, Rick Tillman, Joe Lowenthal, Bill Stevens, Ken Laseter, David Campbell, David Gilbert, Tom Raggett
2. Everyone was requested to update Bios for the 2013 website publication.
3. Freefest—DARC will have a table at Freefest. David Gilbert will handle coordination with MARA regarding details.
4. Budget—Rick Tilman present first cut for budget for 2013. Bill Stevens requested \$2000 to be added for repeater update and repairs. Richard Martin requested \$300 for a sound system that could be used at the va rious events sponsored by the club. Rick will present the 2013 budget at the January general meeting for approval vote at the February general meeting.
5. Programs—David Campbell proposed that we add the Digipeter on top of Gold Strike Casino to our liability insurance. The Board agreed and David will get information to Rick Tilman. Joe Lowenthal will give program in February on the Function of the ARRL. David suggested Programs in the coming months to include Ham shack tours to show the new members how some of the shacks are set up.
6. Training—Extra Class is set for starting January 12, 2013
7. Meeting adjourned.

GENERAL CLUB MEETING MINUTES

January 8, 2013 - Presented by: Tom Raggett KJ4LMH

1. Rosalinda Melena called the meeting to order.
2. Welcome and introductions
3. Board and Meeting minutes approved as published in SPARKS. Ham Hilliard made the motion and Frank Griffin seconded.
4. Testing—3 new Extras and 1 new General.
5. Treasurer's Report—Report was approved as published in SPARKS. Ham Hilliard made motion to accept and Jeff Krause seconded.
6. Budget 2013—Rick Tillman presented and explained the proposed budget for 2013. It will be published in SPARKS for review and presented for the approval vote during the February general meeting.
7. Publications—Ken Laseter communicated the changes that would be made to the email list. Only life and paid members will be on the list. Ken projected having the entire list update by June 2013.
8. Swamp Stompers—Danny Banks still needed volunteers for the Swamp Stompers event to be held on January 20, 2013.

9. ICS 300 Course—Ham Hilliard said course would be presented February 5, 7, 9 in Jackson, TN. See Ham for contacts.
10. Program—Billy Freeman presented program on the function of the Tennessee Task Force during disasters.

February program—Joe Lowenthal on the function of the ARRL.

March program—Pat Lane will present tour of his Ham Shack.

April Program—Ham Hilliard will present tour of his Ham Shack.

May Program—Rosalinda Melena and Steve Smith will present tour of their Ham Shack.

11. Meeting adjourned.

AMATEUR PACKET UPDATE

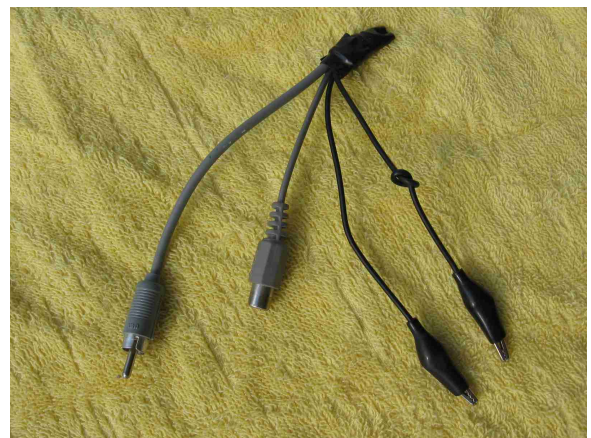
By: James Butler - KB4LJV

Many more companies are coming online with kits for amateur radio. One new company from China is the KN-Q7 40 meter SSB transceiver. This comes in kit form with the parts and case. The small QRP unit runs on 12 volts DC. The power output is 10 W PEP. The frequency range is set and is about 20 kilocycles from the VXO tuning. The front panel has frequency adjust, IF gain which works like a volume control and the microphone connector. It will run a dynamic or electret microphone. The rear panel has SO -239 connector, power connector, and speaker output. This unit is a small cheap way to get QRP portable on 40 meter SSB. To find out more information on this Chinese kit just google KN -Q7 .

AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

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



SKYWARN STORM SPOTTER TRAINING – MARCH 26Th

Submitted by: Joe Lowenthal WA4OVO, Director of Training

The Shelby County Amateur Radio Emergency Service (ARES) is sponsoring the National Weather Service Skywarn Storm Spotter training class on March 26th from 6:30pm to 8:30pm. Ben Schott, Warnings Coordination Meteorologist will give the class on what to look for in severe weather events. This class is not only on spotting tornadoes, but also covers wind, water, and cold weather events. Additional classes are listed on the NWS website http://www.srh.noaa.gov/meg/?n=skywarn_meetings

For more information on this class contact Bill Stevens at 603 -3448 wc9s@att.net or Joe Lowenthal at 628 -4318 wa4ovo@arrl.net.

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.

The Delta Amateur Radio Club had a good year in 2012 with 86 students receiving licenses or upgrades in the five classes held with 67 receiving their Technician licenses.

I am privileged to have received the ARRL 2012 Herb S. Brier Instructor of the Year Award. Deep gratitude goes to Denise Ganucheau KG5DG for bringing up the possibility of the award and encouragement to document the nomination by Henry Leggett WD4Q.

I could not have received this prestigious award without the help in the 38 classes over the last six years from the guest instructors, Elmers, and VEs. Extreme thanks go to Pat Lane W4OQG, Tom Fox KA4LWQ, Dean Honadle N2LAZ, Alan Proffitt AE5RX, and Henry Leggett WD4Q for their expertise in the instructor pool. Special thanks to Elmers Bill Stevens WC9S and Rick Tillman WA4NVM for many years of service during and after the classes.



2012 Instructor of the Year Award to presented Joe Lowenthal WA4OVO



Henry Leggett WD4Q and David Norris K5UZ presenting 2012 Instructor of the Year Award to Joe Lowenthal WA4OVO at Delta Club meeting on December 11, 2012
Photo by Ken Laseter KI4AOH

Other hams who have Elmered from 2007 to now are Bill Covington KC4SXT, Robert Green KE4HFH, Ham Hilliard W4GMM, Randy Wilder WB4LHD, Mike Young N5JMY, Adam Chomyk KI4GIU, Bob Holford KF4NDH, Roger Schlichter WR4R, Hugh Wardlaw WB4SLI, Bill Beard K5FUR, Bill Hughes KI4BIY, James Rogers KA4UOL, Glenn Snow N4MJ, Rich Garrett AI4BN, Russ Myer WD4JHD, Ken Pfohl KI4VCL, Mark McCormick KI4TGQ, Mike Albonetti KD4IHT, Jeff Kloek KI4NDR, Terry Smith KJ4DXJ, Gary Weatherford, John Gallarno AJ4AT, David Perry KJ4KF, Lee Race W8ZQX, David Townsend KJ4FYA, Dave Rich KE5KVE, Tommie Rodgers KE5NBD, Sonny

Mounicou KF5CLC, Paulette Mastin KJ4NIN, Dennis Foster KJ4BDU, David Gilbert AJ4LV, Ken Laseter KI4AOH, Danny Banks KJ4FDX, Kenneth Lorenzen N4WAH, Ken Johnson KB0ZTX, Tim Jones N5PYQ, Jack Thompson N5UOV, Dan Columbus AA4HV, Steve Smith KI4YOP, Rosalinda Melena WN2V, Dick Shaw NF4H, Dwayne Love N5XUL, Richard Martin K4DXF, and Harry LaVoice KK4GQN. Also a thank you to VE liasions Joan Thorne KN4PM, Winn Guin W2GLJ, Walt Heald WB4GIJ, Tom Fox KA4LWQ, Tim Jones N5PYQ and Bill Stevens WC9S, as well as the multitude of VEs.

Licenses Earned in 2013 from Delta Classes

0 Technician
0 General
0 Extra

We begin 2013 with continued interest in ham radio classes.

CLASSES IN PROGRESS

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

Extra Class 1-13 is being held on six Saturdays from January 12th to February 23rd except for January 26th. Classes are from 9am to 1pm at Baptist Women's Hospital, 6225 Humphreys Blvd. Twelve students are in the class: Gene Adams KF5KVL, Juan Carlos Altuzar KI4OKR, Ed Arndt KK4FGA, Asa Baker KK4NEL,

CLASSES PLANNED

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

Tech Class 2-13 will be held on 6 Monday nights from 6:15-9:30pm from February 11th to March 18th at Lord of Life Lutheran Church, 6865 Poplar Pike just east of Kirby Parkway. If you are interested in the class or know someone who is, send an email to wa4ovo@arrl.net with subject line Technician Class and the name, email address and cell phone number.



Extra Class 1-13 with Dean Honadle N2LAZ giving instruction on the scientific calculator. The instructors are Joe Lowenthal WA4OVO, Dean Honadle N2LAZ, Alan Proffitt AE5RX, and Pat Lane W4OQG.

CLASS INFORMATION

Technician Class

If you are interested in the first amateur license class, Technician, please let us know by sending an email to wa4ovo@arrl.net with subject line "Technician Class" and give name, email address, and a contact phone number (preferably a cell number). Or you can go to the Delta Club webpage www.deltaclub.org 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, www.arrl.org/catalog or on 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 website is free. To access the sample tests, go to 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://kb0mga.net/exams>
- <http://copaseticflow.blogspot.com/2010/06/technician-class-practice-test-gadget.html>
- 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 with subject line "General Class." Or you can go to the Delta Club web page www.deltaclub.org click on Training Classes; then click on General Class to send me an email with 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 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; 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 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 5-12 – November 5-December 10, 2012

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

General Class 3-12 – March 26 – May 7th, 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

Vice-President:

Richard Martin – K4DXF
901-372-3722
k4dxf@att.net

Secretary:

Tom Raggett – KJ4LMH
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kj4lmh@gmail.com

Treasurer:

Rick Tillman – WA4NVM
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wa4nvm@comcast.net

Director of Training:

Joe Lowenthal – WA4OVO
901-683-2701
wa4ovo@yahoo.com

Director of Publications:

Kenneth Laseter – KI4AOH
901-853-0400
kmlaseter@laseterinc.com

Director of Programs:

David Campbell – KD4NOQ
901-388-6166
kd4noq@arrl.net

Director of Meetings & Special Events:

David Gilbert – AJ4LV
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.

DATE	EVENT	COORDINATOR	CONTACT INFO.
January 2013 20 th	Swamp Stompers.	Danny– KJ4FXZ	kj4fxz@arrl.net
February 2013 9 th	Boy Scout Merit Badge University.	Ken – KI4AOH	kmlaseter@laseterinc.com
April 2013 27 th	March for Babies (March of Dimes).	Linda – KJ4CTX	llaseter@laseterinc.com
Unknown	Tour de Cure	Denise – KJ5DG	kj5dg.denise@gmail.com
May 2013 Unknown	Memphis in May Triathlon.	Ned - KA4BLL	ka4bll@arrl.net
September 2013 Unknown	MS 150 Bike Ride	Darrell - KK4D	kk4d@xipline.com
December 2013 7 th	St. Jude Marathon	Roger – WR4R	wr4r@bellsouth.net
Unknown	Bartlett Christmas Parade	Dennis – KJ4BDU	dcvv3714@aol.com
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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 Bullfrog net	146.535	7:30p	Daily
Delta Club Traffic and Information Net	146.820 - (107.2)	8:00p	Daily
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
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(901) 363-9607 or Fax (901)365-1992
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 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

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