

DELTA AMATEUR RADIO CLUB

SPARKS

P.O. Box 750482 * Memphis, Tennessee 38175 -0482 * Volume 19 * July 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: July 9, 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: “RF Filters – Why and How”
Presented by: Pat Lane W4OQG

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

Congratulations to the examinees of the June 11th test session : Technicians Eric Davis KK4RXU, Dalton Ellenbecker KK4RXV; General upgrades David Prudhomme KK4QIA, Benjamin Campbell KJ4NWD and Clinton Alexander KK4RHM; and General and Extra upgrade to Nathan Webb KV4OO. Additional testing was conducted on June 22nd at Field Day. See the Field Day 2013 article for those hams.

PRESIDENT'S CORNER

By: Rosalinda Melena WN2V

Summertime Safety - Auto, Pool and Heat

Happy July to all!! As a native Californian, July means top-down convertible weather. It drives the OM (W5VAA) crazy for worry to see me driving with the top-down in 90°+ weather... I love it! Here in the mid-south, July means **heat** and **sunshine** and lots of both!

Hand-in-hand with summertime fun is summertime "safety". This month's corner focuses on three specific areas of safety and offers a few tips.

Auto -

- Don't wait until the hot weather has arrived to start using and testing your air conditioning.
- Listen for strange noises. Ticks, rattles, or knocking sounds that might indicate there's a problem.
- Check out unusual smells.

Pool - *Poolside rules should be clearly established for all. The number one rule; always keep a constant watch on children in and near the water.*

- Apply sun lotion, and don't forget ears and tops of feet. An ounce of prevention can avoid a lot of pain and discomfort later.
- WALK, Never Run (no skipping or jumping either). Pool decks can be especially dangerous when slippery and wet.
- Avoid clutter around the pool, keeping pool toys and swim gear out of the way.
- Always avoid having glass in or around the pool. Plastic cups and glasses will eliminate the possibility of cuts from broken glass.

Heat - *During extremely hot and humid weather the body's ability to cool itself is affected.*

- NEVER Leave Children, Disabled Adults or Pets in Parked Vehicles.

Studies have shown that the temperature inside a parked vehicle can rapidly rise to a dangerous level for children, pets and even adults. Leaving the windows slightly open does not significantly decrease the heating rate.

- Sunburn, caused by ultraviolet radiation from the sun, can significantly retard the skin's ability to shed excess heat.
- Know the signs of heat-related illnesses; heat exhaustion and the more serious heat stroke. Heat stroke can result in death and requires immediate medical attention.
- In closing, a great July to all. Stay cool and be SAFE. 73!

TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

Beginning Balance	as of June 1, 2013	\$12,749.36
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Expenses

David Gilbert	Meeting Treats	\$12.94
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Total Expense	\$12.94
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SubTotal **\$12,736.42**

Income

Membership Dues	Year 2013	\$75.00
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Advertisement		\$10.00
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Huntsville Bus Trip	2013 Ticket	\$1,020.00
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Total Income	\$1,105.00
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Ending Balance	as of June 30, 2013	\$13,841.42
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Submitted by Rick Tillman WA4NVM

CONGRATULATIONS

Dale Gilbert, KK4GQK, Receives ARRL Scholarship

Presented by: David Gilbert AJ4LV Dir.of Meetings & Special Events

This year the ARRL Foundation awarded 82 scholarships. Our very own Dale Gilbert KK4GQK was the 2013 recipient of the Jake McClain Driver KC5WXA scholarship. This scholarship is awarded one time per year to a resident of Tennessee or ARRL Delta Division with a field of study in Electronics, Computers, or Journalism. The candidate must hold at least a Technician license and be able to provide at least one QSL card received within the last 12 months.

Dale received his Technician license in February 2012 after attending a class sponsored by the Delta Amateur Radio Club, taught by Joe Lowenthal WA4OVO. Dale will attend Southwest Tennessee Community College this Fall taking a curriculum focused on Electrical Engineering and will later transfer to the University of Memphis to further study Electrical Engineering and Robotics.

Dale is an Eagle Scout and has been a member of the Delta Amateur Radio Club since 2012. He is currently a member of both the Delta Amateur Radio Club and the Mid-South Amateur Radio Association.

BOARD MEETING MINUTES

June 4, 2013 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Rosalind Melena, Steve Smith, Ken Laseter, David Gilbert, David Campbell, Bill Stevens, Rick Tillman, Tom Raggett, Richard Martin.

- Email Addresses are being updated and Ken will use the latest list to send SPARKS for June. Everyone is encouraged to check their address and insure their address is correct.
- Bill Stevens will need volunteers for testing during Field Day. Bill will ask at next General Meeting.
- Field Day- Field Day will be held at St. James Catholic Church on June 22, 23. Details are still being finalized and Richard will make announcement at the next General Meeting.
- June Program-Tim Morrow and Gary Blinkman will do the program on Police Communications. The emergency communications truck (BAT) from Shelby County will be on display for members to tour. The emergency communications trailer from Germantown will also be on display.
- July Program-Pat Lane will do program on filters.
- New Members-Tom Raggett will deliver paperwork to Rosalinda for new ID badges.
- Meeting Adjourned.

GENERAL CLUB MEETING MINUTES

June 11, 2013 - Presented by: Tom Raggett KJ4LMH

- President Rosalinda Melena welcomed everyone and a moment of silence was held for Mr. Bob Holdford, KF4NDH.
- Introductions were held.
- Announcements-
 - There were several items for sale.
 - Ned Savage communicated the funeral arrangements for Mr. Bob Holdfold.
 - Jim Cissell had several QST magazines that were “yours for the taking”.
- Treasurer’s Report-Approved as published in SPARKS. Motion made by Don Gilmore to accept and Ken Laseter second.
- Minutes- Approved as published in SPARKS. Motion made by Ham Hilliard and Bill Covington second.

- Testing-1 new Tech, 4 Generals and 1 Extra.
- Field Day-Field Day will be held June 22, 23 at St. James Catholic Church. Richard Martin covered the details. Maps to the site and layouts of the site were available at the meeting. There will be a testing session at Field Day.
- Training-There will be a new Tech class starting on July 10th, 2013.
- Program-Tours of the Shelby County Emergency Response vehicle (BAT) were held. The Emergency Response vehicle from Germantown was also on display. Tim Morrow and Gary Blinkman covered the evolution of Police Communications in Memphis.
- Drawing- Jim Cissell won door prize.
- Meeting adjourned- Motion made by Ham Hilliard, Don Gilmore second.

AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

Solar cell prices keep falling as more factories come online to build them. In other parts of the world more solar power is being used. Chinese cells are available on eBay for a few dollars. These typically put out about 1.5 volts per cell. You can parallel or series them for more current and voltage. I had a couple I mounted on a project box with a voltmeter hooked up. I can now hookup to the output to charge batteries and see what they can do under different conditions. These are nice to experiment with to see the potential of solar power.

AMATEUR PACKET UPDATE

By: James Butler - KB4LJV

Many times we operate in emergencies where we need portable power. Generators work but require fuel. Solar panels that produce power from the sunlight have been on the market for many years. The price on these systems has come down over the years. One company that has portable and stationary solar arrays is CT SOLAR. They offer a variety of panels and solar systems in any price range. They have fold up panels that will not break and portable quick set up units, as well. They also have solar controllers for the panels and battery charging. If you are interested in solar power they probably have it. Check out their website at <http://www.ctsolar.com/>. You might also want to check out the 45 -watt solar panel with controller on sale frequently at Harbor Freight for \$149.99 at <http://www.harborfreight.com/#>



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 July or 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 6:40am. 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) 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

15 Technician
23 General
5 Extra

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

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 8th through August 12th at Lord of Life Lutheran Church, 6865 Poplar Pike. As of the writing of this article, there are 20 students registered. Joe Lowenthal WA4OVO and Pat Lane W4OQG are the instructors. The FCC exam will be given on the 5th night of class. The 6th 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 with subject line Technician Class and in the text the name, email address and cell phone number.

CLASSES IN PROGRESS

None

CLASS INFORMATION

Technician Class

If you are interested in the first amateur license class, Technician, please let us know by sending an email to wa4ovo@arrl.net with subject line "Technician Class" and give name, email address, and a contact phone number (preferably a cell number). Or you can go to the Delta Club webpage www.deltaclub.org 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, 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 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 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 901-628-4318. 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

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 901-628-4318. 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 901-628-4318. 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

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

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

FIELD DAY 2013

Submitted by: Joe Lowenthal WA4OVO, Director of Training

Delta Club held its 2013 Field Day with MARA and Tri-State at St. James Church at 4189 Leroy in the Berclair area of northeast Memphis on June 22nd & 23rd. There was an HF phone station, a CW station, and a VHF 6-meter station inside the air conditioned building operating on batteries with an outside phone station at Hugh Wardlaw's RV. Rick Tillman WA4NVM and Richard Martin K4DXF chased the SO-50 satellite to no avail.



Figure 1 Jonathan Kagoo KK4SJK (center) receiving his CSCE from father Suresh N9GSA (left) and friend Steve Feltman N4JSF (right) during the Field Day test session. Photo by Bill Stevens WC9S



From left to right: Rick Mayfield K14VUZ, Ken Laseter K14AOH, Hugh Wardlaw WB4SLI, Ed Montedonico KE4VW Photo by Joe Lowenthal WA4OVO

Over 80 people attended with 140 CW contacts

and 303 phone. There was a 6-meter band opening Sunday with contacts up and down the east coast and Texas going into Mexico (XE2EX was one).

MARAs Tony Brignole reported "Field Day was a great success." There was plenty of food for all. Ask Lance Morris what he put into the spiral-cut ham to make it so good. The Delta Club VE Team provided the VE session. Six people took their FCC exam with all passing; one Extra, one General, and four Technicians.

One of the Technician examinees was 14 year old Jonathan Kagoo KK 4SJK. Additional congratulations to Technicians James Davitt KK4SJH, David Webb KK4SJI, and David Allen KK4SJJ. Also congratulations to John Wright KK4SFW to General, and Kirk Taylor K14MQH to Extra.

SIGNS OF HEAT-RELATED ILLNESSES

By: Rosalinda Melena WN2V

Heat Exhaustion and Heat Stroke.

Heat stroke can result in death and requires immediate medical attention.

HEAT EXHAUSTION	
<p>Symptoms</p> <ul style="list-style-type: none"> • Heavy sweating • Weakness • Cool, pale, clammy skin • Weak pulse • Possible muscle cramps • Dizziness • Nausea and vomiting • Fainting • Normal temperature possible 	<p>First Aid</p> <ul style="list-style-type: none"> • Move person to a cooler environment • Remove or loosen clothing • Apply cool, wet cloths • Fan or move victim to air conditioned room • Offer sips of water. If nausea occurs, discontinue water. If vomiting continues, seek immediate medical attention.
HEAT STROKE (or Sunstroke)	
<p>Symptoms</p> <ul style="list-style-type: none"> • Altered mental state • Possible throbbing headache, confusion, nausea, dizziness, shallow breathing • High body temperature (106°F or higher) • Skin may be hot and dry, or patient may be sweating • Rapid pulse • Possible unconsciousness 	<p>First Aid</p> <ul style="list-style-type: none"> • Heat stroke is a severe medical emergency. Summon emergency medical assistance or get the victim to a hospital immediately. Delay can be fatal. • Move the victim to a cooler, preferably air-conditioned, environment • Reduce body temperature with a water mister and fan or sponging • Use fan if heat index temperatures are below the high 90s • Use extreme caution. If temperature rises again, repeat process <p style="text-align: center;">Do NOT give fluids</p>

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:

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901-921-4474
wntwov@gmail.com

Vice-President:

Richard Martin – K4DXF
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Secretary:

Tom Raggett – KJ4LMH
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Rick Tillman – WA4NVM
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Director of Programs:

David Campbell – KD4NOQ
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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
27 th	Tour de Cure	Denise – KJ5DG	kj5dg.denise@gmail.com
May 2013 19 th	Memphis in May Triathlon.	Ned - KA4BLL	ka4bll@arrl.net
September 2013 7 th and 8 th	MS 150 Bike Ride	Darrell - KK4D	kk4d@xipline.com
December 2013 7 th	St. Jude Marathon	Roger – WR4R	wr4r@bellsouth.net

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 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
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224.42- 443.20+ (107.2Hz tone)



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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 1/2" h <input type="checkbox"/>			HALF PAGE \$25.00 for 3 Months 7" w X 4" h <input type="checkbox"/>			1/4 PAGE \$15.00 for 3 Months 3 1/2" w X 4" h <input type="checkbox"/>			BUSINESS CARD \$10.00 for 3 Months 3 1/2" 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 _____