

DELTA AMATEUR RADIO CLUB

SPARKS

P.O. Box 750482 * Memphis, Tennessee 38175-0482 * Volume 17 * July 2011



**Welcome to the
Delta Amateur Radio Club!**

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

W4BS

REPEATER SYSTEM

146.820^{-107.2} 147.360^{-107.2}
224.420 443.200

NEXT CLUB MEETING

DATE: July 12, 2011 (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: Messy or not Radio Rooms
Presented by: David Campbell, KD4NOQ

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 KI4ZKW

Happy July to all! It feels good to be "back in the saddle" as a fellow board member put it. Seriously, I truly appreciate the support of the board and especially of our Vice President, Richard Martin, during my unforeseen absence. Great job guys!

As I sat recouping, I began to think about how much ham radio has become part of my life. I thought about the antennas I've built. I thought about the community events I've worked. I thought about the insight the

“Elmers” have shared with me and of all the new hams. In short, I missed attending the club meetings. I missed the “rag chewing”, the jokes, the horseplay and the general fellowship.

That said, I also thought about what I didn’t miss...I didn’t miss the bickering; I didn’t miss the eye-rolling; I didn’t miss the finger-pointing; and I did not miss the snide attempts to belittle individuals.

Whether you’re a club member or a regular guest, why do you attend the DARC meetings? Do you attend to catch-up with old friends and meet new hams? Do you attend for the monthly programs? Or do you attend to nit-pick the newsletter; to find fault; or to “stir the pot” to use a popular phase.

Lately, it seems as if members and guests are being run off by the drama at the club meetings. Unlike television, “drama” is not what the club needs. If you have an issue, bring it to a board member or better yet, attend a board meeting. DARC board meetings are open to all members and is the proper place to talk through an issue. You, the DARC members, elected the board so let the board hear from and work for you.

In closing, think about why you attend the club meetings and whether you’re helping or hurting the club. DARC has a long history of serving the ham community with training, support and knowledge. As a club, let’s keep that tradition alive. As always, thanks for your time and your membership.

Have a great July. Stay cool and be safe!

HUNTSVILLE BUS TRIP (August 20th)

Submitted By: Joe Lowenthal WA4OVO

DARC is sponsoring a 50-passenger bus to go to the Huntsville Hamfest on August 20, 2011. There is a graduated scale fare for the bus trip. The fare is \$60 if paid by June 26, 2011. The fare is \$65 if paid by July 20, 2011. The fare is \$70 if paid after July 20th. 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 20th. 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.

There is a new pickup point at Germantown Baptist Church. It will be on the east side of the church (toward Collierville) near the gym (called the ROC) in the back.

TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

| | | |
|--------------------------|---------------------------|--------------------|
| Beginning Balance | as of June 1, 2011 | \$14,651.80 |
|--------------------------|---------------------------|--------------------|

Expenses

| | | |
|-----------|--------------|----------|
| U of M | (phone line) | \$22.94 |
| Field Day | (deposit) | \$350.00 |

| | | |
|--|----------------------|-----------------|
| | Total Expense | \$372.94 |
|--|----------------------|-----------------|

SubTotal **\$14,278.86**

Income

| | | |
|----------------------------|--|------------|
| Membership Dues | | \$22.50 |
| Nov. Ticket Sales | | \$55.00 |
| Patch Sales - 7 @ \$5 each | | \$35.00 |
| Estate Sale | | \$23.50 |
| Huntsville Bus Trip | | \$1,860.00 |

| | | |
|--|---------------------|-------------------|
| | Total Income | \$1,996.00 |
|--|---------------------|-------------------|

| | | |
|-----------------------|----------------------------|--------------------|
| Ending Balance | as of June 30, 2011 | \$16,274.86 |
|-----------------------|----------------------------|--------------------|

Submitted by Rick Tillman WA4NVM

BOARD MEETING MINUTES

June 7, 2011 - Presented by: Bill Stevens WC9S, Secretary

The board meeting was called to order by V.P. Richard Martin K4DXF. President Rosalinda Melena KI4ZKW is recovering from surgery.

- Ham Hilliard W4GMM gave a report on the status of the antenna trailer. Repairs and modifications are complete and the painting will be done before field day. There was some discussion on where to store the trailer after field day but no decision was reached.
- Repeaters and other assets of the club were discussed. We need a list of assets to update insurance policies which hasn't been done since 1985. We also need to know if anyone is storing items which belong to the club.
- The board approved sponsoring a bus to the Huntsville Hamfest again this year on August 20, 2011. The price will be \$60.00/\$65.00/\$70.00 depending when you sign up.

- The board decided to postpone the bylaw discussions until at least August to get by field day preparations.
- There was a general discussion on the name of the nightly net and how it is set up. No decisions were made but everyone agrees that all involved are doing a good job.

Meeting adjourned.

GENERAL CLUB MEETING MINUTES

June 14, 2011 - Presented by: Bill Stevens WC9S, Secretary

The regular monthly meeting was called to order by V.P. Richard Martin k4dxf in the absence of President Rosalinda Melena KI4ZKW who is recovering from surgery.

- Roger Schlichter WR4R made a motion to approve the minutes as published in Sparks. Seconded by Lance Morris N4GMT. Passed
- The treasurer's report was read by treasurer Rick Tillman WA4NVM. Motion to accept as read by Frank Griffin K4FEG. Seconded by Lance Morris N4GMT. Passed
- Richard Martin K4DXF reported on the progress of field day preparations. All are going smoothly. Talk in will be on 145.41.
- Under old business, the bylaw changes have be moved to at least July.
- Ham Hilliard W4GMM gave a report on the progress of the antenna trailer. There was concern about the safety of using pins instead of bolts.
- V.P. Richard Martin K4DXF asked if anyone was storing any Delta Club equipment. Lance Morris responded that he had the gin pole and the spare duplexers for 146.82.
- Danny Banks KJ4FXZ reported that Tri-State will have batteries to use at field day and also have them for sale for \$20.00 each.
- Dean Eicher KJ4WOY reminded everyone that the ARES meeting would be in 2 weeks and invited anyone interested to attend.
- It was announced that the cost of the bus trip to the Huntsville Hamfest would be \$60.00 until after field day when it will go up to \$65.00.
- V.P. Richard Martin K4DXF stated that Tri-State was asking for \$350.00 for Delta's share of the expenses for field day which is \$50.00 more than budgeted. We will receive a rebate of any unused funds. After some discussion, a motion was made by Bill Covington KC4SXT and seconded by Tylor Stephenson KB4GGE. Passed
- The program was presented by Ham Hilliard W4GMM on the logging program to be used at field day.

AMATEUR PACKET UPDATE

By: James Butler – KB4LJV

Many of us run digital modes on amateur radio, Morse code, PSK 31, AMTOR, and RTTY are just a few. These modes can do very well with low power because of their narrow bandwidth used for sending the data. QRP digital can mean worldwide communications when conditions are right on the bands. One good piece of test equipment we need is a good SWR and watts meter. This lets us make sure we are putting out the power we should be and also make sure we are matched for our antenna to get the best signal out. New radios do not like high SWR values and cut back power or on simple rigs blow the final. MFJ Enterprises has come out with a nice new addition to their line of test equipment. They have a new small QRP SWR/POWER meter for 1.8 to 50 MHz. The unit reads power levels up to 5 watts and beyond. The model 813 can read power levels down to 100 milliwatts. Most manufacturers do not offer a QRP version of their wattmeters. The other good thing about the 813 is the price of under \$40.00. If you are interested in a small QRP SWR/POWER meter for under \$40.00 with a 1 year warranty check out this one from MFJ. Their website is www.mfjenterprises.com

AMATEUR HARDWARE UPDATE

By: James Butler – KB4LJV

Many times when running QRP we build up transmitters. Using a homemade receiver or older receiver completes the system for transceiver operation. Sometimes receivers are not as sensitive as they could be and need a little help. One way to improve the performance is to add a preamp. Ramsey Electronics has a small 16 dB preamp board kit for RF use. The unit will amplify from 100 KHz to 1.3 GHz. It can be used on shortwave and ham radio receivers, TVs, and even frequency counters to improve performance of the unit. The kit includes a small PC board and all components needed to build the kit. It runs on 12

to 15 volts DC and draws about 30 milliamps of current. I built mine up in a surplus case painted in Heathkit colors. I mounted a power switch on the front panel and installed in and output connectors on the back for hookup to the antenna and the radio. When I tried it on my old Radio Shack receiver a signal went from S3 to S8 when I ran the preamp. Ramsey's kit number is SA-7 for the preamp kit. The kit cost about \$20.00. If you are looking at a way to improve receiver performance for older radios or a homebrew project check out the preamps at Ramsey Electronics. Their web address is www.ramseyelectronics.com/



2011 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 2011 from Delta Classes

13 Technician

13 General

6 Extra

CLASSES PLANNED

If you are interested in any of the classes, send an email to Joe Lowenthal at wa4ovo@yahoo.com with your name, email address, and phone number, preferable cell with subject line of the class you are interested in.

Technician Class 4-11– July 11-August 15, 2011

The next Technician class will be held on six Monday nights from 6:15-9:30pm starting July 11th and running through August 15th at the Memphis-Shelby County Health Department East Complex at 1075 Mullins Station Road across from the Penal Farm. See the Technician article below for the text used with this class. As of July 4th there are 20 students registered. Registration is required. Send an email to Joe Lowenthal WA4OVO at wa4ovo@yahoo.com with your name, email address and cell phone number. Jo will then email you materials for the class.

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@yahoo.com 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 question 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 new question pool started July 1, 2010.

Practice tests are highly recommended. The www.qrz.com website is free. To access the sample tests, click on Main Menu to the right of the Search button on the QRZ Home Page. Scroll down and click on Practice Amateur Radio Exams. Click on Start Test to enter QRZ Practice Test Center. Click on Technician 35

Questions. Click on Wait For Correct. (This feature gives you the ability to answer again to get the correct answer if you miss the first time. On each answer it will either show Wrong Answer or Correct.) Click on Begin Test. Statistics are given at the top of the screen with the number of Completed questions, the Accuracy percentage, and the Overall percentage of questions completed on the test. Be sure to study multiple QRZ tests. The first test is only the first question from each of the 35 subgroups of the question pool. The second test is only the second question from each of the 35 subgroups, and so on. It is recommended to take at least 15 of the sample tests to be able to see all 396-question pool questions.

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@yahoo.com 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@yahoo.com 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@yahoo.com 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 3-10 Revisited

Congratulations to Jose Ibarra KJ4TCJ for upgrading to General at the Delta Club FCC testing session on June 14th.

Technician Class 3-11 – April 17, 2011

Technician-General Class 2-11 – March 26, 2011

General Class 5-08 Revisited

Extra Class 1-10 Revisited

Technician Class 5-10 Revisited

Extra Class 1-11 - February 19, 2011

Boy Scout Radio Merit Badge – January 22, 2011

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 it's 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

2011 BOARD OF DIRECTORS

President:

Rosalinda Melena – KI4ZKW
901-921-4474
ki4zkw@gmail.com

Vice-President:

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

Secretary:

Bill Stevens – WC9S
901-603-3448
wc9s@att.net

Treasurer:

Rick Tillman – WA4NVM
901-268-7047
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:

Danny Banks – KJ4FXZ
901-861-3229
kj4fxz@arrl.net

DELTA'S FIELD DAY - 2011

Submitted By: Joe Lowenthal WA4OVO



This was the first time to use the Delta Club's repainted tower trailer.

The Delta Club held a combined Memphis area Field Day this year on June 25th & 26th at H.W. Cox Park in Collierville with Mid-South Amateur Radio Association (MARA), Tri-State Repeater Association, Mid-South Chapter of the American Red Cross, Shelby County ARES, Collierville CERT, and Collierville PD. Thanks to Randy Wilder WB4LHD for heading up the combined Field Day this year.

Saturday night an excellent BBQ dinner was catered by Howlin' Hogs Catering. Fun was had by all even with the hot temperatures. We were fortunate that there were no thunderstorms this year to interrupt the operations. Tom Medlin W5KUB set up the live streaming Internet coverage of the Field Day activities.

Additional pictures taken by Larry Crawford KF4VIG can be seen at http://www.flickr.com/photos/the_patriot/sets/72157626923713499/show/



Jeff Krause AJ4GY and Stacy Krause at the Delta operating table.



Don Gilmore AA4JA (formerly WB4ZTE) and visiting ham John Crisswell KK4CLH at the Delta operating position.



W5KUB streaming live from H.W Cox Park Field Day site.



H.W. Cox Park pavilion where the BBQ was served.

PUBLIC SERVICE EVENTS

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 16 th | Swamp Stompers | Danny– KJ4FXZ | kj4fxz@arrl.net |
| March 4 th weekend | City Slickers Equestrian Event | Richard – NF5B | (No Contact Information) |
| April 30 th | Tour de Cure | Denise – KJ5DG | kj5dg.denise@gmail.com |
| 30 th | March for Babies (March of Dimes) | Bob – KF4NDH | kf4ndh@bellsouth.net |
| May 22 nd | Memphis in May Triathlon | Ned - KA4BLL | ka4bll@arrl.net |
| September 10 th & 11 th | MS 150 Bike Ride WE NEED YOUR HELP! (Darrell needs volunteers for the MS 150 Bike Ride. If you can volunteer or have questions don't hesitate to email him.) | Darrell - KK4D | kk4d@xipline.com |

Please call Darrell KK4D and volunteer for this worthwhile event. It's early, so you have time to put it on your schedule before something else pops up. It's lots of fun and you will surely meet many wonderful volunteers who have been working all year long collecting contributions. Check it out, here is a link to the official MS 150 bike ride web page.

http://biketns.nationalmssociety.org/site/PageServer?pagename=BIKE_TNS_homepage



Bob, KF4NDH and a long time family friend.

| | | | |
|------------------------------------|---------------------------|-----------------|--|
| December 3 rd | St. Jude Marathon | Roger – WR4R | wr4r@bellsouth.net |
| 3 rd | Bartlett Christmas Parade | Dennis – KJ4BDU | dccv3714@aol.com |

| | | | |
|-----|--|-------------------|--|
| TBA | Boy Scout Merit Badge University | Hugh – WB4SLI | hwardlaw@bellsouth.net |
| 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+(107.2Hz) | 9:00p | W |
| Two meter single Sideband Net | 144.260 USB | 8:30p | Th |
| ARES Training Net | 146.880-(107.2) | 9:00p | 2 nd & 4 th 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 Bill, WC9S at 603-3448. 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)

S*avage*
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

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 | | | HALF PAGE | | | ¼ PAGE | | | BUSINESS CARD | | |
|---|--------------|---------------|---|--------------|--------------|---|--------------|--------------|---|-------------|--------------|
| \$50.00 for 3 Months 7" w X 8 ½" h <input style="width: 40px; height: 30px; margin: 10px auto;" type="checkbox"/> | | | \$25.00 for 3 Months 7" w X 4" h <input style="width: 40px; height: 30px; margin: 10px auto;" type="checkbox"/> | | | \$15.00 for 3 Months 3 ½" w X 4" h <input style="width: 40px; height: 30px; margin: 10px auto;" type="checkbox"/> | | | \$10.00 for 3 Months 3 ½" w X 2" h <input style="width: 40px; height: 30px; margin: 10px auto;" type="checkbox"/> | | |
| July 2011 | Aug. 2011 | Sept. 2011 | Oct. 2011 | Nov. 2011 | Dec. 2011 | Jan. 2012 | Feb. 2012 | Mar. 2012 | Apr. 2012 | May 2012 | Jun. 2012 |