

# DELTA AMATEUR RADIO CLUB

# SPARKS

P.O. Box 342768 \* Memphis, Tennessee 38134-2768 \* Volume 20 \* September 2014



**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<sup>+107.2</sup>

## NEXT CLUB MEETING

**DATE:** September 9, 2014 (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:** “Lightning Research at Marshall's Space Flight Center”  
by Monte Bateman PhD, WB5RZX

The program is a video of the forum presentation at the 2014 Huntsville Hamfest

**VE TESTING:** Don't forget the monthly Volunteer Examiner FCC 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](mailto:wc9s@att.net)

## PRESIDENT'S CORNER

By: Joe Wray WD4GXI

Nothing received.

## TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of August 1, 2014</b>	<b>\$11,063.46</b>
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### Expenses

Hays Co.	Liability Insurance	\$200.00
Hays Co.	Equipment Insurance	\$143.00
Sam's	Meeting Snacks	\$58.83
Huntsville Bus	Food & Driver Tip	\$218.79
Huntsville Hamfest	Entry Tickets	\$192.00
Vista Print	Banner	\$60.99
Bill Stevens	Huntsville Table	\$35.00

<b>Total Expense</b>	<b>\$908.61</b>
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SubTotal **\$10,154.85**

### Income

Membership Dues	Year 2014	\$85.00
Tickets	November Drawing	\$222.00
Bus Trip		\$270.00
Donated Gear		\$140.00
Donations		\$25.00

<b>Total Income</b>	<b>\$742.00</b>
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<b>Ending Balance</b>	<b>as of August 31, 2014</b>	<b>\$10,896.85</b>
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Submitted by Rick Tillman WA4NVM

Certificate of Deposit #1	Balance	\$10,188.10
Certificate of Deposit #2	Balance	\$5,000.00
Total DARC Assets	Balance	\$26,084.95

## **BOARD MEETING MINUTES**

August 5, 2014 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Rick Tillman, Richard Martin, Tom Raggett, Joe Wray, Joe Lowenthal, David Campbell, Michael Knight.

1. Meeting Coordinator—Richard Martin volunteered to serve as the new Meeting Coordinator. Joe Wray made motion to approve, Michael Knight seconded. Approved.
2. New DARC banner—Motion was made by Joe Wray to approve reimbursement of Michael Knight \$60.99 for banner to be used at the Huntsville Hamfest table. Rick Tillman seconded, Approved.
3. Huntsville Hamfest Table—Motion was made to purchase a table(\$35) at the Huntsville Hamfest for sale of DARC items. Bill Stevens made the motion, Michael Knight seconded. Approved.
4. Change in Preamble for Net—The Board recommends a change in the Preamble for use on the DARC Information Net. At the end it will read, “In the event of severe weather, this repeater is available to the National Weather Service Skywarn for the Memphis area”. Joe Lowenthal made motion to make change, Bill Steven seconded, Approved.
5. Treasurer’s Report—Rick Tillman presented the report, Tom Raggett made motion to accept, Joe Wray seconded, Approved for presentation to the General Meeting.
6. Training—Testing for the current class is August 11. 22 started the class, 19 will be testing. Huntsville Hamfest bus trip has 26 paid riders.
7. Programs—Michael Knight will continue the series on Share Your Shack. He will also show a video to give new hams information needed to purchase their first radio.
8. November drawing—The winner of the big prize at the end must be a paid member.
9. Meeting adjourned—David Campbell made motion to adjourn, Joe Wray seconded, Approve.

## **GENERAL CLUB MEETING MINUTES**

August 12, 2014 - Presented by: Tom Raggett KJ4LMH

1. Introductions—President Joe Wray called meeting to order and asked for introductions.
2. Minutes—Ham Hillard made motion to approve minutes as published in SPARKS, Ned Savage seconded, Approved.
3. Treasurer’s Report—Rick Tillman presented the Treasurer’s report. Ham Hillard made motion to accept report, Jeff Krause seconded, Approved.
4. Testing—Bill Stevens reported that testing produced 3 new Techs, 3 new Generals, and 1 new extra.
5. Training—Joe Lowenthal reported that 16 tested in the recent class, 15 passed including 1 General.
6. Huntsville Hamfest table—Bill Stevens reported that there would be a table at the Huntsville Hamfest to sell items collected from estate sales and contributions. The club presented the new DARC banner to be used at the Hamfest.
7. Meeting Coordinator—Richard Martin volunteered for Meeting Coordinator to complete the present term left open by resignation.

8. Badges—Rosalinda Melena produced ID badges for all paid members. Many thanks to Rosalinda.
9. Huntsville Hamfest bus trip—As of meeting time, there was still room on the bus to Huntsville. The fare is \$70.
10. Wire Antenna Class—Ham Hillard asked for show of interest in having a wire antenna class in October. There was significant interest. Ham will research and present date and time later.
11. MS150 Bike Ride—Darrell Sheffield asked for volunteers for the Bike Ride to be held September 6,7. Darrell passed around a signup sheet and he will contact later with assignments. The repeater used is 146.91 with 107.2 tone.
12. Free item table—Jim Cissell brought items that were free for the taking.
13. Program—Michael Knight showed video showing information needed by new hams to purchase their first radio. He also continued the series “Share your Shack”.
14. Drawing—Glen Ellis won the door prize drawing.
15. Meeting adjourned

## AMATEUR PACKET UPDATE

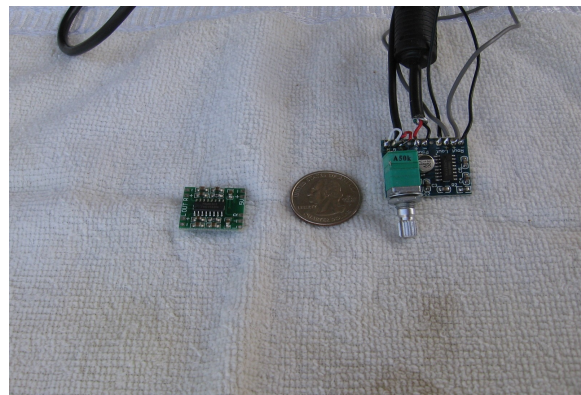
By: James Butler - KB4LJV

Battery packs for our equipment do not last forever. We need to periodically change out our battery packs for fresh ones that actually hold a full charge. W&W Manufacturing carries a complete line of battery packs for Radio equipment. They not only carry packs for current equipment, but also for the older radios. They have listings for the older Icom, Kenwood, and Yaesu radios along with many others. Of course they also offer universal drop in battery chargers with the adaptor cups for you radio. If you need to get a new battery pack or charger for your radio check out W&W Manufacturing. Their web address is <http://www.ww-manufacturing.com/>

## AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

Many times when running QRP rigs we need more power output on the audio to run speakers. The stock units might work well with headphones, but are not made to produce room-filling audio from speakers. An audio power amplifier chip has been developed to fill this need. The chip is the PAM 8403. It has two channels and produces 3 watts per channel into an 8 ohm load. The neat thing about this is that a complete PC amplifier board is about the size of a quarter. These are available on Ebay. In



the picture the one hooked up comes with the volume control and off/on switch on the board and cost about \$4.00. The other without the volume and power switch is under \$2.00. I hooked mine up to 2 surplus speakers and it sounds not only good, but also has a great volume level. On Ebay do a search for PAM 8403 to see amplifiers for sale.

## 2014 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 2014 from Delta Classes*

8 Technician

11 General

5 Extra

**Note: The question pool for the Technician Class license exam in The ARRL Ham Radio License Manual Revised Second Edition will expire on June 30, 2014. The new manual is the Third Edition which will be available in late May from ARRL.**

### *CLASSES SCHEDULED*

*None*

### *CLASSES IN PROGRESS*

*None*

## 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](http://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 Third Edition*, is strongly suggested, as well as study of the 426 question and answer Technical Class License question pool. You can purchase it online from [www.msars.com](http://www.msars.com), [www.arrl.org/catalog](http://www.arrl.org/catalog), on [Amazon.com](http://Amazon.com), or possibly Barnes & Noble booksellers.

The new Technician question pool which becomes effective July 1, 2014 can be seen at <http://ncvec.org/page.php?id=362>

Practice tests are highly recommended. The [www.qrz.com](http://www.qrz.com) website is free. To access the current 2014-2018 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 2014 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 on the internet. Here are some of the ham radio practice exam sites:

- [www.hamstudy.org](http://www.hamstudy.org)
- [www.aa9pw.com](http://www.aa9pw.com)
- <http://kb0mga.net/exams>
- [www.qrz.com](http://www.qrz.com)
- <http://www.hamradioclass.org>

The 35-question FCC exam will be given during the class by a Volunteer Examiner (VE) team. The ARRL VEC FCC exam fee is \$15.00.

## 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 901-628-4318. The current question pool became effective July 1, 2011 and valid through June 30, 2015. The text is *The ARRL General Class License Manual, Seventh Edition* with sample test CD, ARRL product #8119, ISBN 978-0-87259-811-9. You will be notified by email or phone when the class is set if you have sent an email.

## BASIC ELECTRONICS

Basic Electronics is geared toward bridging the gap between the General and Extra Class licenses. **There is not a Basic Electronics class in the classroom anymore** since there is so much on the internet. Alan Proffitt AE5RX has created a Google website for basic electronics for the Delta Club with useful links. Click on <https://sites.google.com/site/darcelectronics/my-forms> and then click on syllabus.docx at the bottom of the list. Alan, [alan.proffitt@comcast.net](mailto:alan.proffitt@comcast.net), will Elmer anyone who would like help or refer them to another Elmer. One site inside this Google site is the US Navy Electricity and Electronics Testing Site (NEETS). There are 24 modules with excellent information. If you want to go directly to it, go to <http://jacquesricher.com/NEETS/>.

## 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 901-628-4318. You will be notified by email or phone when the class is set. Classes are usually held on Saturdays from 9am-1pm for 6 or 7 weeks in January and February. The text is *The ARRL Extra Class License Manual 10<sup>th</sup> Edition*, ARRL product #5170, ISBN 978-0-87259-517-0. MPLETED CLASSES

### *Tech Class 1-07 Revisited*

Congratulations to Eric Wardlaw KM4BKF who passed his Technician at the May 13<sup>th</sup> Delta Club test session. He has received WB4SLK to follow his parents, Hugh WB4SLI and Linda WB4SLJ.

### *Tech Class 3-14 – March 10 – April 21, 2014*

Tech Class 3-14 was held on 6 Monday nights from March 10<sup>th</sup> to April 21<sup>st</sup> at EMHC ambulance offices at 6972 Appling Farms Parkway. Ten students were registered with only seven continuing. The instructors were Pat Lane W4OQG and Joe Lowenthal WA4OVO.

On the 5<sup>th</sup> night there was a question pool review and FCC exam. Congratulations to Brad Chafin KK4ZZW, Keith Frazier KK4ZZX, Denise Nepa KK4ZZY, Tom Unger KK4ZZZ, Nolen Smith KM4AAR, and Richard Weiland KG5BHV. Chris Trim KM4AEN earned his license at FreeFest, and Richard Weiland KG5BHV upgraded to General at FreeFest.

On the sixth night of class Joe Lowenthal went over repeater basics and what is required to program an FM radio. The demonstration instructors were Michael Knight KK4IOH on EchoLink and D-Star. Pat Lane W4OQG presented WinLink and Rick Pelliciotti KJ4NWQ on APRS. The Elmers were Casey Nepa NO1NO, Tom Ernst N4LIA, and Geoff Wilson KV4LE.

### ***Extra Class 2-14 – February 22 – April 12, 2014***

Extra Class 2-14 was held on 6 Saturdays from February 22<sup>nd</sup> until April 12<sup>th</sup> from 9am-1pm at EMHC ambulance offices at 6972 Appling Farms Parkway and the WCARS FCC exam at 2014 FreeFest. The students were Art Barnett WA4PSS, Jimmy Butler KK4SZQ, Dorothy Cantrell KF5TAV, James Jones KI4HTC, Janet Kelly KK4PRT, Jerry King KD4EYU, Ray Phetteplace KJ4SBC, Chuck Pigue KK4NEO, Dean Plessala KC5RDP, and Sue Plessala KF5ZJI. The instructors were Ed Arndt KV4LF, Dean Honadle N2LAZ, Pat Lane W4OQG and Joe Lowenthal WA4OVO. Dan Lasely NE7JN was an Elmer. Congratulations to Dorothy Cantrell KF5TAV for upgrading to Extra before the end of the class at the CARA ARRL FCC test session on March 17<sup>th</sup>. Congratulations to Jimmy Butler KV4XE, Ray Phetteplace KJ4SBC, Dean Plessala KC5RDKP, and Sue Plessala AF5PY for their upgrades at FreeFest.

### ***General Class 1-14 – January 4 – February 15, 2014***

General Class 1-14 began on January 4<sup>th</sup> for 6 Saturdays from 9am-1pm through February 15<sup>th</sup>. The location was at EMHC ambulance offices at 6972 Appling Farms Parkway. The instructors were Joe Lowenthal WA4OVO, Ed Arndt KV4LF and Pat Lane W4OQG. Elmers were Dan Lasley NE7JN and Art Barnett WA4PSS. Ten hams have upgraded to General. Congratulations to Jimmy Butler KK4SZQ, Ed Itkin KK4VPU, Dean Plessala KF5ZJH, Sue Plessala KF5ZJI, Thomas Showers KF5VEB, Doug Sporre KK4VQB, and Jan Sporre KK4VQA. Steven Wiley WB4PAG upgraded at the Hoxey Hamfest. Barri Munday WB4SWP upgraded at the March Delta Club test session and Bill Flanigan KK4VPS upgraded at the April Delta Club test session. The Delta Club VE team led by Bill Stevens WC9S provided the ARRL FCC testing on February 15<sup>th</sup>. Thanks to Bill Stevens WC9S, Ed Arndt KV4LF, Jeff Krause AJ4GY, Ken Laseter KI4AOH, Ray Turner AE0AE, David Webb KV4QI, and Joe Lowenthal WA4OVO.



# HELP WANTED

Submitted by: Kenneth Laseter KI4AOH (Publications Director)

I have enjoyed serving as Publications Director for the past 4-years and appreciate the confidence you placed in me to publish and distribute the Sparks newsletter each month. However, due to my increased workload, I am asking that someone step forward and volunteer to take my place starting in January 2015.

My job is relatively easy, others email me articles and pictures for Sparks and I paste them into a Microsoft word or Open Office Writer template that I have setup. Anyone who can use either Microsoft word or Open Office Writer can handle the job. I will give you all my Sparks files so you will have plenty of examples and old articles you can use as filler, if needed.

If you are interested or have questions, please feel free to contact me at [kenlaseter@gmail.com](mailto:kenlaseter@gmail.com) or 901-853-0400. I would welcome your call.

## TENNESSEE HAM RADIO LICENSE PLATE

Submitted by: Joe Lowenthal WA4OVO

The link below is for information and instructions about Tennessee ham radio callsign automobile license plates :

<http://www.tn.gov/revenue/vehicle/licenseplates/emergency/emergsaftey.shtml>

The application is at [www.tn.gov/revenue/forms/titlereg/f1312601Fill-in.pdf](http://www.tn.gov/revenue/forms/titlereg/f1312601Fill-in.pdf)

## 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

### **2014 BOARD OF DIRECTORS**

***President:***

***Joe Wray WD4GXI***

***901-246-6113***

[wrayjoe@yahoo.com](mailto:wrayjoe@yahoo.com)

***Vice-President:***

***Michael Knight KK4IOH***

***901-832-8636***

[kk4ioh@arrl.net](mailto:kk4ioh@arrl.net)

***Secretary:***

Tom Raggett – KJ4LMH

901-517-0492

[kj4lmh@gmail.com](mailto:kj4lmh@gmail.com)

***Treasurer:***

Rick Tillman – WA4NVM

901-268-7047

[wa4nvm@comcast.net](mailto:wa4nvm@comcast.net)

***Director of Training:***

Joe Lowenthal – WA4OVO

901-628-4318

[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:***

Richard Martin – K4DXF (Volunteered as Interim to finish out the year)

901-372-3722

[k4dx@att.net](mailto:k4dx@att.net)

New board members joining us in 2014 are listed in red.



## HAM FESTS OF INTEREST

DATE	HAM FEST	LOCATION	LINK
<b>January 2014</b> <b>24<sup>th</sup> &amp; 25<sup>th</sup></b>	Capital City Hamfest	Jackson, MS	<a href="http://hamfest.msham.org/">http://hamfest.msham.org/</a>
<b>March 2014</b> <b>1<sup>st</sup> &amp; 2<sup>nd</sup></b> <b>29<sup>th</sup></b>	Birmingham Hamfest Union City Hamfest	Birmingham, AL Union City, TN	<a href="http://birminghamfest.org/">http://birminghamfest.org/</a> <a href="http://www.reelfootarc.com/">http://www.reelfootarc.com/</a>
<b>April 2014</b> <b>12<sup>th</sup></b>	Free Fest	Bartlett, TN	
<b>May 2014</b> <b>16<sup>th</sup> Thru 18<sup>th</sup></b>	Hamvention	Dayton, OH	<a href="http://www.hamvention.org/">http://www.hamvention.org/</a>
<b>August 2014</b> <b>16<sup>th</sup> &amp; 17<sup>th</sup></b>	Huntsville Hamfest	Huntsville, AL	<a href="http://www.hamfest.org/">http://www.hamfest.org/</a>

## PUBLIC SERVICE EVENTS --- 2014

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).

DATE	EVENT	COORDINATOR	CONTACT INFO.
<b>January 2014</b> <b>19<sup>th</sup></b>	Swamp Stompers.	Danny– KJ4FXZ	<a href="mailto:kj4fxz@arrl.net">kj4fxz@arrl.net</a>
<b>February 2014</b> <b>8<sup>th</sup></b>	Boy Scout Merit Badge University.	Ken – KI4AOH	<a href="mailto:kmlaseter@laseterinc.com">kmlaseter@laseterinc.com</a>
<b>April 2014</b> <b>26<sup>th</sup></b>	March for Babies (March of Dimes).	Linda – KJ4CTX	<a href="mailto:llaseter@laseterinc.com">llaseter@laseterinc.com</a>
<b>May 2014</b> <b>31<sup>th</sup></b>	Tour de Cure	Denise – KJ5DG	<a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a>
<b>September 2014</b> <b>6<sup>th</sup> - 7<sup>th</sup></b>	MS 150 Bike Ride	Darrell - KK4D	<a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a>
<b>December 2014</b> <b>6<sup>th</sup></b>	St. Jude Marathon	Roger – WR4R	<a href="mailto:wr4r@bellsouth.net">wr4r@bellsouth.net</a>

## MEMPHIS AREA VHF/UHF NETS

Net Name	Freq. MHz	Local Time	Day	
Mid-South Barefooted Bullfrog net	146.535		7:30p	Daily
<b>Delta Club Traffic and Information Net</b>	<b>146.820 - (107.2)</b>		<b>8:00p</b>	<b>Daily</b>
Secret Service Net	224.780 -		8:30p	M
Elmer Net	147.030 + (107.2)		9:00p	M
The Short Winded Net	146.850 -		8:30p	Tu
MedMERS Net	146.730 - (107.2)		12:00p	W
Six Meter Tech Net	53.01 -		8:30p	W
The 440 Net	443.200 + (107.2)		9:00p	W
<b>Collierville CERTPlus Net</b>	<b>444.125 + (107.2)</b>		<b>7:00p</b>	<b>W</b>
TAC 2 Net	224.420 -		8:30p	Th
ARES Training Net	146.880 - (107.2)		9:00p	Th
<b>YL (Young Ladies) Net</b>	<b>146.820 - (107.2)</b>		<b>7:30p</b>	<b>Sun</b>

## 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 (8/10/14)

Good evening, this is [first name and callsign] calling this session of the DELTA CLUB's Information Net. This net meets nightly at 8:00 pm central time except the second Tuesday of the month on the 146.82 W4BS repeater and requires a PL tone of 107.2 Hz. This net provides an opportunity to present information about club events and amateur related topics. This Net also provides new amateur stations training, and allows all amateurs a regularly scheduled session for testing their radios and communicating with the amateur radio community. In the event of severe weather this repeater is available for the National Weather Service Skywarn for the Memphis area.

All licensed amateurs are encouraged to participate. All stations are requested to refrain from transmitting without being acknowledged by net control. Stations not providing their callsign or suffix will not be acknowledged.

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.

Does any station have announcements for the net? (Does any station have any questions or need any fills?)

This is [first name and callsign] with the Delta Club's Information Net.

We will now take Early Check-Ins. Are there any stations that need to leave early? If so please come now, phonetically, with your suffix only, and please remember to spread them out by waiting for the courtesy tone. (Ask for additions or corrections only once)

We will now take check-ins phonetically, by suffix only if your suffix begins A – H, Alpha through Hotel. Please come now and remember to spread them out. (Ask for additions or corrections only once if you have a short list) This is [first name and callsign] with the Delta Club's Information Net.

We will now take check-ins phonetically, by suffix only if your suffix begins I – Q, India through Keebeck. Please come now and remember to spread them out. (Ask for additions or corrections only once if you have a short list)

We will now take check-ins phonetically, by suffix only, if your suffix begins R – Z, Romeo through Zulu. Please come now and remember to spread them out. (Ask for additions or corrections only once if you have a short list)

This is [first name and callsign] with the Delta Club's Information Net.

1. The Delta Club meets the second Tuesday of each month at the Ellendale Church of Christ, 7365 HWY 70 in Bartlett at 7:00pm.
2. VE registration begins at 5:30pm, with testing starting by 6:00pm. A copy of your license and CSCE is required.
3. For VE information contact Bill, WC9S at 603-3448 or by email at WC9S@att.net
4. For membership information contact Tom KJ4LMH at 517-0492 or by email at KJ4LMH@arrl.net.
5. For training information contact Joe WA4OVO at 628-4318 or by email at WA4OVO@arrl.net.
6. Local area code is niner – zero – one.

Are there any additional announcements? (does any station have any questions or need any fills?)

We will now take late check-ins from any anywhere in the alphabet, A- Z, Alpha through Zulu. Please come now, phonetically, with your suffix only, and please remember to spread them out. (ask for additions or corrections )

CLOSE

Is there anything this station or the net can do for anyone before we close?

This is [first name and callsign] now closing this session of the Delta Club's Information Net. I would like to thank all \_\_\_\_\_ stations for checking in tonight, and would like to ask that everyone check in tomorrow night at the same time. Goodnight and 73, the net is now closed. This is [first name and callsign] 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  
Tile  
Company**

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**commercial & residential  
ceramic, quarry, marble & slate tiles**  
(901) 363-9607 or Fax (901)365-1992  
**5579 Federal Avenue  
Memphis, TN 38118-7918**

**Ned Savage**

**35 YEARS of EXPERIENCE**

**Ben Richhart**  
Sales and Service Director



#### Chick-fil-A at Paragon Place

6282 Poplar Avenue  
Memphis, TN 38119  
Phone: 901-766-1875  
Fax: 901-766-1878  
E-mail: ben@cfaparagonplace.com

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FM APPROVED

**Miller  
Protective Service, Inc.**



24 HOUR CENTRAL MONITORING STATION  
BURGLAR • FIRE • HOLD UP  
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ACCESS CONTROL • CCTV  
901-685-1900

**Alex Miller**  
901-258-7484  
Alex@millerprotective.com

1203 RIDGEWAY ROAD  
SUITE 202  
MEMPHIS, TN 38119  
TN LICENSE C-0291

## 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		
<b>\$50.00</b>			<b>\$25.00</b>			<b>\$15.00</b>			<b>\$10.00</b>		
for 3 Months			for 3 Months			for 3 Months			for 3 Months		
7" w X 8 ½" h			7" w X 4" h			3 ½" w X 4" h			3 ½" w X 2" h		
Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	July 2014	Aug 2014	Sept 2014	Oct 2014	Nov 2014	Dec 2014



**DELTA AMATEUR RADIO CLUB**  
P.O. Box 342768, TN 38134-2768  
**2014 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 2014

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. _____	_____	_____	_____	_____

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