

# DELTA AMATEUR RADIO CLUB



# SPARKS



P.O. Box 342768 \* Memphis, Tennessee 38175 -2768 \* Volume 20 \* January 2014



## Welcome to the Delta Amateur Radio Club

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

<b>W4BS</b>	
<b>REPEATER SYSTEM</b>	
146.820 <sup>-107.2</sup>	147.360 <sup>-107.2</sup>
224.420	443.200

## NEXT CLUB MEETING

- DATE:** January 14, 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:** “Working Special Event Stations”  
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 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)

No testing was offered in December.

## PRESIDENT'S CORNER

By: Joe Wray WD4GXI

QST QST

I am Joe Wray WD4GXI your new President for 2014. You can check out my bio on the Delta Club 2014 Board of Directors web page. I hope everyone is having a good start to the New Year. I would like to encourage all members to check into the Delta Information Net on 146.82 as often as you possibly can. I feel the net is a good tool for our club to help our community and a great way for us to get to know each other better. The added bonus is keeping you informed of any changes for upcoming events. I try to check in as much as I can and it has been a tremendous help for me learning new names and calls. Go ahead and give it a try. Speaking of events, if you become aware of any community event that might need assistance with communication, please contact me or one of the board members and we will look into the feasibility of working with them. I hope everyone has a wonderful 2014

### 73's JOE-2 WD4GXI

This year marks the 100<sup>th</sup> anniversary of the ARRL. There is a Centennial QSO Party which has already begun and will last through December 2014. There are two activities to this event: (1) W1AW will be operating from each state and most territories: and (2) the Centennial Points Challenge where you receive points for working various stations. For further information on points go to [www.arrl.org/centennial-qso-party](http://www.arrl.org/centennial-qso-party). You do not have to be an ARRL member to participate, but be aware, if you are a member you are worth at least one point. I am not sure but I think this is a first! W1AW will operate from each state two times spread out over the year. A very neat way to obtain WAS (Worked All States) don't you think?

## ARES MEETING NOTICE

### ATTENTION:

Please be advised that this months ARES meeting will be held at the Baptist Women's Hospital, 6225 Humphrey's Blvd. in Classroom A-B-C and NOT in the cafeteria conference room as usual. Remember, ARES meets at 6:45 pm on the 4th Tuesday of each month.

Look forward to seeing you there!

## TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of November 1, 2013</b>	<b>\$7,594.84</b>
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### Expenses

D. Gilbert	Meeting Treats	\$33.15
Ellendale Church of Christ	Donation	\$200.00
Tom Raggett	Meat for Dec. Meeting	\$41.27
SERA	Repeater Membership	\$30.00

	<b>Total Expense</b>	<b>\$304.42</b>
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SubTotal **\$7,290.42**

### Income

Membership Dues	Year 2014	\$210.00
Tickets	November Drawing	\$26.00
Patch		
Donated Gear Sales		\$250.00

	<b>Total Income</b>	<b>\$486.00</b>
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<b>Ending Balance</b>	<b>as of November 30, 2013</b>	<b>\$7,776.42</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	\$22,964.52

## BOARD MEETING MINUTES

December 3, 2013 - Presented by: Tom Raggett KJ4LMH Secretary

Present: Joe Wray, Richard Martin, Bill Stevens, Michael Knight, Denise Ganucheau, David Campbell, Joe Lowenthal, Steve Smith, Rosalinda Melena, David Gilbert, Tom Raggett

- The Board welcomed the 2014 Officers. Tom will send names to Ken for publication in SPARKS.
- Discussion of nominees for Ham of the Year and New Ham of the Year.
- December Meeting—Tom Raggett will purchase 2 hams from Costco for the December meeting. Tom will be reimbursed by the club for the price of the hams.
- Budget 2014—Rick Tillman presented the “first cut” budget for 2014. There will be more discussion at the January Board meeting and the General meeting. The final budget will be presented to the club membership for approval at the February General meeting.

- Donated Equipment—Bill Stevens stated that the donated equipment will be presented at the January General Meeting. It will be a silent auction for each piece.
- Programs—David Campbell stated that the programs for January and February are yet to be defined.
- Training—Joe Lowenthal stated that 18 passed the latest Tech class. 1 student passed both the Tech and General. There will be a General class January 4, 2014-February 15, 2014. An Extra class will be held February 22, 2014-April 5, 2014. The classes will be held at the EMHC ambulance headquarters office.
- Insurance—Denise Ganucheau asked if Board members were covered by liability insurance. More discussion is in order on this matter. Rick Tillman will send copy of policy to Board members.
- Meeting adjourned.

## GENERAL CLUB MEETING MINUTES

December 9, 2013 - Presented by: Tom Raggett KJ4LMH

President Rosalinda Melena called meeting to order and introductions were held.

- Minutes—Bill Covington made motion to accept minutes as published in SPARKS, Hugh Wardlaw seconded. Passed.
- Treasurer Report—Rick Tillman presented the Treasurer's report. Ham Hilliard made motion to accept report as read, Jeff Krause seconded. Passed.
- Testing—No testing at this meeting. Club expressed THANKS to all the VE's who helped during the year.
- Training—Joe Lowenthal stated that 18 students in the latest Tech class received their license, 1 student received both Tech and General. Next General class is January 4 —February 15, Extra class is February 22—April 5. Classes will be held at the EMHC ambulance headquarters. Joe expressed his THANKS to the ELMER's that helped him in the classes.
- Extra instructor guide—Many thanks to TOM FOX for the creation of instructor guide for the Extra class.
- New Ham of the Year—Errol Hook
- Ham of the Year—Michael Knight
- Everyone enjoyed the annual pot luck dinner.
- Meeting adjourned—Ham Hilliard made motion to adjourn, Steve Smith seconded. Passed.

## ANNUAL HAM AWARD WINNERS

Congratulations to this years "Ham of the Year" and "New Ham of the Year". Delta Club President Rosalinda Melena made the presentations at the December meeting. We sincerely appreciate the contributions Michael and Errol have made to ham radio and the Delta Club. Thanks again gentlemen.



**Errol Hook KK4PRV - 2013 New Ham of the Year**



**Michael Knight KK4IOH - 2013 Ham of the Year**

## AMATEUR PACKET UPDATE

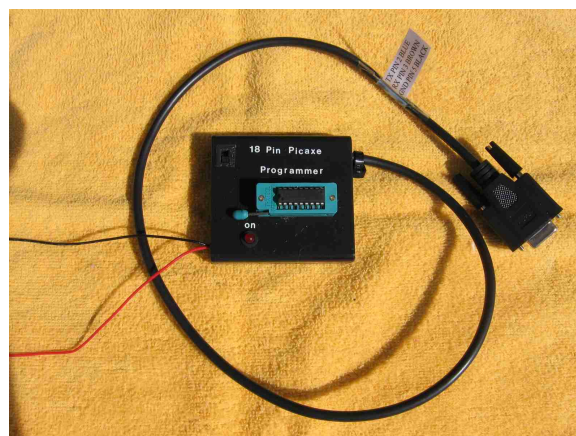
By: James Butler - KB4LJV

When we want to operate digital modes using our computer sound cards we need an interface. We can build up our own interface from scratch but Unified Microsystems has a nice PC sound card interface kit. It has the case, circuit board, and parts to build the interface. It is a first class kit with transformer isolation and optical PTT interface. This kit has a great low price of \$24.95. Go to their website to download the user manual, diagram, and cable pin outs. Their website is <http://www.unifiedmicro.com/>

## AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

Many new Ham radio projects use microprocessors. The PICAXE microprocessor is one of the new ones in use. To build a programmer for the PICAXE just takes a couple of resistors, a DB9 serial cable and a 5 volt power supply. When it is hooked to your computer with some free software you can program your PICAXE. Many Amateurs build up their own programmer boards. I found some ZIF (zero insertion force) sockets on Ebay for under \$2.00 that worked perfectly to make a programmer. I built up the programmer for the 18 pin PICAXE chips. It works great. The ZIF socket lets me plug in the microprocessor to program and remove without bending or damaging the pins. The case I used was a 4 AA battery case to mount everything in. The PICAXE site has diagrams and instructions for programming all the different PICAXE chips. The site is <http://www.picaxe.com/>



## 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.

The Delta Amateur Radio Club had a great year of training in 2013 with 76 students receiving licenses or upgrades in the five classes held. This number is the third highest of the seven years I have been Director of Training. The highest number was 85 for two different years. This year generated more Generals than ever. Thanks to all of the volunteers that helped to make 2013 another great year. A special thanks to the instructors Pat Lane W4OQG, Dean Honadle N2LAZ, Alan Proffitt AE5RX, Ed Arndt KV4LF, Hugh Wardlaw WB4SLI, and Michael Knight KK4IOH. I must acknowledge the efforts of Tom Fox KA4LWQ for creating an instructor's guide to go with the current ARRL Extra Class License manual.

Also thanks goes to the many Elmers and VEs: Bill Stevens KI4TQA, Rick Tillman WA4NVM, Richard Martin K4DXF, Geoff Wilson KV4LE, Harry LaVoice KV4LD, Dan Lasley NE7JN, Win Guin W2GLJ, David Gilbert AJ4LV, Jeff Krause AJ4GY, Stacy Krause KJ4MDA, Ken Laseter KI4AOH, Linda Laseter KJ4CTX, Roger Schlichter WR4R, Ray Turner AE0AE, Gary Weatherford W5EMA and Jim Norton WD4T for their help with the classes and FCC exam sessions. We also have to thank Baptist Women's Hospital, Lord of Life Lutheran Church and EMHC for allowing us to use their wonderful training facilities.

### *Licenses Earned in 2013 from Delta Classes*

42 Technician  
27 General  
7 Extra

**Below, in the Basic Electronics section is information on a Google website created by Alan Proffitt AE5RX.**

### **CLASSES IN PROGRESS**

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

General Class 1-14 began on January 4<sup>th</sup> for 6 Saturdays through February 15<sup>th</sup> from 9am-1pm. The location is at EMHC ambulance offices' at 6972 Appling Farms Parkway.

Sixteen hams are in the class. They are Jimmy Butler KK4SZQ, David Carey KJ4KUR, Bill Flanigan KK4VPS, Errol Hook KK4PRV, Ed Itkin KK4VPU, Kim Koratsky KK4VPV, Albert LaGroue KF5NKI, Barri Munday WB4SWKP, Kimberlee Norwood KJ4THC, Dean Plessala KF5ZJH, Sue Plessala KF5ZJI, Michelle Rosamond KF5ZJJ, Todd Rosamond W5TOD, Thomas Showers KF5VEB, Doug Spoerre KK4VQB, and Jan Spoerre

KK4VQA. Thomas Showers is driving 97 miles one way to make the class. That is dedication! The instructors are Joe Lowenthal WA4OVO, Ed Arndt KV4LF and Pat Lane W4O QG. Elmers are Dan Lasley NE7JN and Art Barnett WA4PSS. The Delta Club VE team will provide the testing on February 15<sup>th</sup>.



**General Class 1-14 w/ Ed Arndt instructing Photo by Joe Lowenthal WA4OVO**

### **CLASSES PLANNED**

#### ***Extra Class 2-14 – February 22 – April 5, 2014***

Extra Class 2-14 will be held on 6 Saturdays starting February 22nd from 9am-1pm at EMHC ambulance offices' at 6972 Appling Farms Parkway Suite 110. If you are interested, send an email to Joe Lowenthal at [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) with Extra Class in the subject line and name, email address and cellphone number in the text. See the Future Classes Extra Class below for the text to be used.

### **CLASS INFORMATION**

#### ***Technician Class***

If you are interested in the first amateur license class, Technician, please let us know by sending an email to [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) with subject line "Technician Class" and give name, email address, and a contact phone number (preferably a cell number). Or you can go to the Delta Club webpage [www.deltaclub.org](http://www.deltaclub.org) click on Training Classes; then click on Technician Class to send an email, or call at 901-628-4318. 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](http://www.msars.com), [www.arrl.org/catalog](http://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](http://www.qrz.com) website is free. To access the sample tests, go to [www.qrz.com](http://www.qrz.com). From the QRZ home page click on **RESOURCES** in the blue band on the top right. Then click on 2010 Technician Exam Practice Test. When you start answering the questions, it will show you if you answered correctly or not with **CORRECT!** or **SORRY BUT THAT ANSWER IS NOT CORRECT**. Statistics are kept below the test question at **This Quiz** with the number of questions answered correctly and the percentage correct. Also shown is the number of questions answered correctly from the 396 questions of the question pool. It keeps track of your correct answers on subsequent tests. Below the **This Quiz** line is **Questions in This Test**, that is a list of the 35 question numbers of the current test. If answered correctly, the question number radio button turns green. If answered incorrectly, it turns red.

There are a number of other free sample -test sites. The following are some other ham radio practice exam sites:

- [www.hamstudy.org](http://www.hamstudy.org)
- [www.aa9pw.com](http://www.aa9pw.com)
- <http://kb0mga.net/exams>
- <http://copaseticflow.blogspot.com/2010/06/technician-class-practice-test-gadget.html>
- [www.qrz.com](http://www.qrz.com)
- <http://www.hamradioclass.org>

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

### ***General Class***

If you are interested in a General License Class, please let us know by sending an email to [wa4ovo@arrl.net](mailto:wa4ovo@arrl.net) with subject line "General Class." Or you can go to the Delta Club web page [www.deltaclub.org](http://www.deltaclub.org); click on Training Classes; then click on General Class to send me an email with name, email address and contact phone, preferably cell number, or call at 901-628-4318. 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***

Basic Electronics is geared toward bridging the gap between the General and Extra Class licenses. There will not be a Basic Electronics class in the classroom anymore since there is so much on the internet. However, 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 have been held on Saturdays for 6 or 7 weeks in January and February.

### COMPLETED CLASSES

*Tech Class 5-13 – November 4 – December 9, 2013*

*Technician Class 4-13 – July 8 – August 12, 2013*

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

*Tech Class 4-11 Revisited*

*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*

## 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:**

**Denise Ganucheau** *KJ5DG*

**901-248-4806**

[kj5dg@arrl.net](mailto:kj5dg@arrl.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> TBA <b>31<sup>th</sup></b>	Memphis in May Triathlon. Tour de Cure	Ned - KA4BLL Denise – KJ5DG	<a href="mailto:ka4bll@arrl.net">ka4bll@arrl.net</a> <a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a>
<b>September 2014</b> TBA	MS 150 Bike Ride	Darrell - KK4D	<a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a>
<b>December 2014</b> TBA	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 Barefoot ed 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
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 (11/21/13)

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 a mateur radio community. In the event of severe weather this is the official National Weather Service Skywarn Repeater 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)



Installers of  
**commercial & residential**  
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 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  
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**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 38184-2768  
**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 \_\_\_\_\_