

# DELTA AMATEUR RADIO CLUB

# SPARKS

P.O. Box 342768 \* Memphis, Tennessee 38134-2768 \* Volume 20 \* March 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:** March 11, 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:** "Arduino Microcontroller"  
Presented by: Glen Popiel KW5GP

**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)

## PRESIDENT'S CORNER

By: Joe Wray WD4GXI

Well, another month is gone. It is just a few weeks till FreeFest-April 12th. I know everyone is looking forward to that. There will be lots of prizes again this year. We all need to be thankful that we have such a good hamfest in Memphis. I went last Saturday to the Cave City Hamfest in Kentucky. It is about the same size as ours, however, it cost \$6 to get in and it really didn't come close to the number or the quality of prizes that we have. Debco was there and Tower Electronics also. The flea market was pretty good. I think this was due to the close proximity to Nashville because there were quite a number of Tennessee plates in the parking lot. All in all, it was worth the short trip. I went with my son, John (KK4DUX), who lives on the north side of Nashville. He picked up some adapters and power poll connectors and I found a couple of barriers strips and some torroids that I have been trying to find. I hope everyone has a good March. It has roared in so let's all hope it goes out like a lamb!

## TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of February 1, 2014</b>	<b>\$9,253.97</b>
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### Expenses

<b>Total Expense</b>	<b>\$0.00</b>
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SubTotal **\$9,253.97**

### Income

Membership Dues	Year 2014	\$605.00
Tickets	November Drawing	\$70.00
Donation		\$10.00
Donated Gear		\$5.00

<b>Total Income</b>	<b>\$690.00</b>
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<b>Ending Balance</b>	<b>as of February 28, 2014</b>	<b>\$9,943.97</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	\$25,132.07

## **BOARD MEETING MINUTES**

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

- Present: Michael Knight, Joe Lowenthal, David Campbell, Rick Tillman, Tom Raggett
- Budget—The Board discussed the 2014 budget changes and sent to Ken Laseter for inclusion in SPARKS. The budget will be offered for approval to the general meeting on February 11, 2014.
- Huntsville Bus Trip—Joe Lowenthal is working on the Huntsville Hamfest Bus Trip. It was noted that the bus trip will preclude our working on the Elvis Week, special events station.
- Programs—David Campbell said February’s program would be presented by Billy Freeman titled “Tactical Communication in a Disaster”. March program will be presented by Glenn Popiel on the Arduino Micro Controller. Michael Knight will present Echolink for the April program.
- Meeting adjourned.

## **GENERAL CLUB MEETING MINUTES**

February 11, 2014 - Presented by: Tom Raggett KJ4LMH

- President Joe Wray called the meeting to order and introduced himself as the 2014 President of DARC.
- Introductions—After a short Bio of himself, Joe asked for introductions of members.
- Minutes—Ham Hilliard made motion to accept minutes as printed in SPARKS, Bill Covington 2<sup>nd</sup>, minutes approved.
- Treasury—Rick Tillman presented Treasurer’s report. Ham Hilliard made motion to accept as presented, Jeff Krause 2<sup>nd</sup>. Report approved.
- Budget—The 2014 Budget was explained by Rick Tillman and answered any questions. Joe Wray made motion to accept budget, Ham Hilliard 2<sup>nd</sup>. Budget approved.
- Training—Joe Lowenthal reported the General class will complete on February 15, 2014. There will be an Extra class February 22-April 5.
- Testing—Bill Stevens reported that 7 passed, 4 Techs, 2 General, 1 Extra.
- Tour de Cure for Diabetes—Denise Ganucheau requested volunteers to support this bike ride scheduled for March 31, 2014. Denise will need 20 volunteers.
- Memphis in May Triathlon Support—Tom Raggett made a motion to not support the MIM Triathlon as a club. Ham Hilliard 2<sup>nd</sup>. Motion approved. Michael Knight will contact Chickasaw Amateur Radio Club about supporting it.

- Swamp Stompers—In Danny Banks absence, Michael Knight thanked everyone for their help in supporting the Swamp Stompers event. Danny has said he would like to be replaced as chairman. At this point, no one volunteered to take his place. Roger Schlichter suggested that when someone steps down from a chairmanship that they help the new chair for the first event.
- Estate Sales—Some items were on the tables for giveaway. The items recovered from the George King estate will be sold to club members at a 20% discount. Bill Stevens and Rick Tillman are clearing out an estate and will bring items to the next swap meet.
- Swap Meet—Contact church for confirmation of the March 15, 2014 date.
- Free Fest—April 12 is the date for Free Fest.
- Field Day—Roger Schlichter noted that a decision needed to be made on where to have Field Day this year. Richard Martin made motion that it be held at Tony Brignole’s clubhouse, Jeff Krause 2<sup>nd</sup>. Motion passed.
- Program—Billy Freeman presented the program on “Tactical Communication in a Disaster”.
- Fayette County Technical Rescue Team—Bill Hancock from the Team made a request for volunteers to help in the various search and rescue events.
- Drawing—Patrick Yarbrough won
- Meeting adjourned

## **AMATEUR PACKET UPDATE**

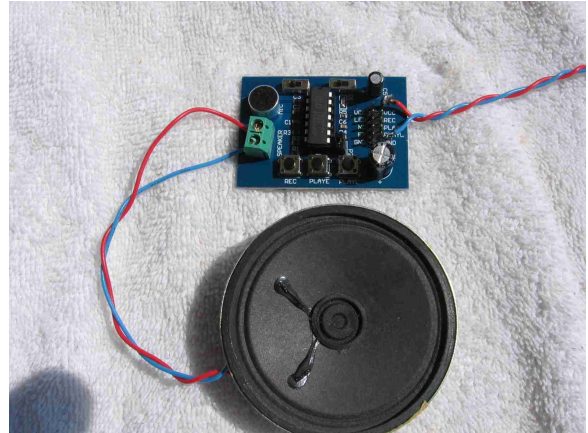
By: James Butler - KB4LJV

When operating packet radio we normally use 2 meter or 440 Mhz. Wouxum, a Chinese company, has started selling their dual band mobile radios here in the US. The model theysell is the model KG-UV920P-A. They offer 50/40 watts out on 2 meters and 440. They also have adjustable power levels, 999 memory channels, FM broadcast radio reception, and a dual display along with many other features. The radios also have a great price at under 300 dollars. Radio City is currently carrying these radios. Check them out at their website <http://www.radioinc.com/>

## AMATEUR HARDWARE UPDATE

By: James Butler - KB4LJV

Many times when sending out your call over and over again in a contest, it will wear out your voice. Newer radios have a voice recorder to allow you to record a message and send it out automatically. It digitizes a short message that can be played back over and over. I found a nice voice card on Ebay that will do this function. The board allows up to 10 seconds of speech to be recorded and played back. The unit will run on 3 to 5 volts DC. It has a built in microphone on the board for recording. The output is 2 terminals to which you can hook up a speaker. You can hook it directly into your radio by using a resistive divider network to lower the output level. The board uses the ISD1820 IC chip. It has simple controls on the board and can be hooked up for microprocessor control. Just go to Ebay and search for "voice recorder board". I got mine for under \$5.00 with free shipping.



## 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*

0 Technician  
8 General  
0 Extra

**Note: The question pool for the Technician Class license exam in The ARRL Ham Radio License Manual Revised Second Edition will expire this year on June 30, 2014.**

### **CLASSES SCHEDULED**

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

Tech Class 3-14 will be held on 6 Monday nights from March 10<sup>th</sup> to April 14<sup>th</sup> at EMHC ambulance offices at 6972 Appling Farms Parkway, Suite 110. If you are interested, send an email to Joe Lowenthal at [wa4ovo@gmail.com](mailto:wa4ovo@gmail.com) with Tech Class in the Subject line and name, email address and cellphone number in the text. Pre-registration is required. See below in Technician Class for the text to be used.

## CLASSES IN PROGRESS

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

Extra Class 2-14 is being held on 6 Saturdays from February 22nd until April 5<sup>th</sup> from 9am-1pm at EMHC ambulance offices at 6972 Appling Farms Parkway. The students are Art Barnett WA4PSS, Jimmy Butler KK4SZQ, Dorothy Cantrell KF5TAV, Tommy Ferrer Poratta K4VOZ, James Jones KI4HTC, Janet Kelly KK4PRT, Jerry King KD4EYU, Michael Knight KK4IOH, Ray Phetteplace KJ4SBC, Chuck Pigue KK4NEO, Dean Plessala KC5RDP, and Sue Plessala KF5ZJI. The instructors are Ed Arndt KV4LF, Dean Honadle N2LAZ, Pat Lane W4OQG and Joe Lowenthal WA4OVO. Dan Lasely NE7JN is an Elmer.



Extra Class 2-14 with Ed Arndt KV4LF instructing  
Photo by Joe Lowenthal WA4OVO

## 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, Revised Second Edition* with sample test CD, 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 Technician 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 current Technician Class License question pool, which was approved by the NCVETC 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 and is valid through June 30, 2014.

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 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>

<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 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 Googlesite 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.

## COMPLETED CLASSES

### *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.

Eight hams have upgraded to General. Congratulations to Jimmy Butler KK4SZQ, Ed Itkin KK4VPU, Dean Plessala KF5ZJH, Sue Plessala KF5ZJI, Thomas Showers KF5VEB, Doug Spoerre KK4VQB, Jan Spoerre KK4VQA and Steven Wiley WB4PAG. The Delta Club VE team led by Bill Stevens WC9S provided the ARRL FCC testing on February 15th. Thanks to Bill Stevens WC9S, Ed Arndt KV4LF, Jeff Krause AJ4GY, Ken Laseter KI4AOH, Ray Turner AE0AE, David Webb KV4QI, and Joe Lowenthal WA4OVO.

## **AUXILIARY COMMUNICATIONS FIELD OPERATIONS GUIDE - AUXFOG**

Submitted by: Joe Lowenthal WA4OVO

The newly released Auxiliary Communications Field Operations Guide or AUXFOG download address from Department of Homeland Security is shown below. Also below is the recommended suggestions for printing or you can save the attached pdf for viewing. It is 144 one-sided pages.

This AuxFog contains valuable information for ARES, RACES, MARS, and CERT communicators. The AuxFog is also available for download (like the attached) at [http://www.publicsafetytools.info/auxfog/start\\_auxfog\\_info.php](http://www.publicsafetytools.info/auxfog/start_auxfog_info.php)

Auxiliary Communications Field Operations Guide (AUXFOG) The Auxiliary Communications Field Operations Guide (AUXFOG) is a reference for auxiliary communicators who directly support backup emergency communications for State/local public safety entities or for an amateur radio organization supporting public safety.

This reference guide contains information about AuxComm best practices, frequently used radio frequencies, Mutual Aid channels as well as tips and suggestions about auxiliary emergency communicators integrating into a NIMS ICS environment to support communications for planned events or incidents. It can serve as a reference both for auxiliary emergency communicators and public safety communications professionals. You can download the AUXFOG by clicking on the hyperlink to the left and save it to your own storage device. It will only download as a PDF.

While printed copies are not available from DHS, you may download an electronic copy to print as many hard copies as desired. Please note that if you modify the document in any way, such as by adding information specific to your organization or area, you must remove the DHS seal unless you receive permission from the DHS Office of Public Affairs to use it. Information about use of the seal can be found at <http://www.dhs.gov/use-department-homeland-security-seal>.

To print copies of the AUXFOG commercially, consider these printing specifications:

- \* Two sided printing
- \* No tabs
- \* Dimensions: 4" wide by 7" high
- \* Type of paper: White Yupo Text (FPG-150)[water resistant]
- \* Text Ink: Four-color process
- \* Cover Paper: PVC with laminate
- \* Cover Ink: Four-color process



- \* Spiral binding with blue or black PlastiKoil; holes spaced 1/4 inch; end bent inward; not GBC
- \* Print head to foot, except outside back cover, which is head to head
- \* Bottom corners of cover and pages: smooth, curved out, 1/4 circle arc with radius of 3/8 inch.

This article is from a forwarded email from Jenny Russell at MemphisShelby County Health Department by Richard.Hall at Vanderbilt.edu.

## SKYWARN - STORM SPOTTER TRAINING

Submitted by: Joe Lowenthal WA4OVO

Ben Schott with the National Weather Service will give the NWS Skywarn Storm Spotting presentation at 7pm March 25th at the March ARES meeting at Lord of Life Lutheran Church, 6865 Poplar Pike which is one long block east of Kirby Parkway.

## 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> 24 <sup>th</sup> & 25 <sup>th</sup>	Capital City Hamfest	Jackson, MS	<a href="http://hamfest.msham.org/">http://hamfest.msham.org/</a>
<b>March 2014</b> 1 <sup>st</sup> & 2 <sup>nd</sup> 29 <sup>th</sup>	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> 12 <sup>th</sup>	Free Fest	Bartlett, TN	
<b>May 2014</b> 16 <sup>th</sup> Thru 18 <sup>th</sup>	Hamvention	Dayton, OH	<a href="http://www.hamvention.org/">http://www.hamvention.org/</a>
<b>August 2014</b> 16 <sup>th</sup> & 17 <sup>th</sup>	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> 19 <sup>th</sup>	Swamp Stompers.	Danny– KJ4FXZ	<a href="mailto:kj4fxz@arrl.net">kj4fxz@arrl.net</a>
<b>February 2014</b> 8 <sup>th</sup>	Boy Scout Merit Badge University.	Ken – KI4AOH	<a href="mailto:kmlaseter@laseterinc.com">kmlaseter@laseterinc.com</a>
<b>April 2014</b> 26 <sup>th</sup>	March for Babies (March of Dimes).	Linda – KJ4CTX	<a href="mailto:llaseter@laseterinc.com">llaseter@laseterinc.com</a>
<b>May 2014</b> 31 <sup>th</sup>	Tour de Cure	Denise – KJ5DG	<a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a>
<b>September 2014</b> 6 <sup>th</sup> - 7 <sup>th</sup>	MS 150 Bike Ride	Darrell - KK4D	<a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a>
<b>December 2014</b> 6 <sup>th</sup>	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

## 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 amateur radio community. In the event of severe weather this is the 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 checkins 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 checkins 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 checkins 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 nine – 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



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**Ben Richhart**  
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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 \_\_\_\_\_