

# SPARKS

P.O. Box 342768 \* Memphis, Tennessee 38134-2768 \* Volume 36 \* January 2019



**Delta Amateur Radio Club (DARC)**

**Sparks Newsletter**

Website: <http://deltaclub.org>

Facebook: <https://www.facebook.com/darcmem>

**W4BS**

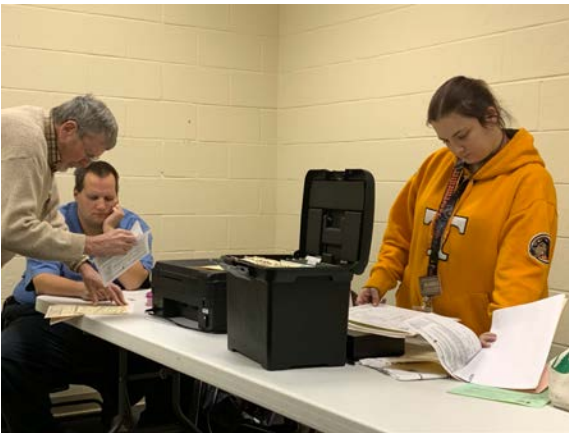
**REPEATER SYSTEM**

146.820<sup>-107.2</sup> \* 147.360<sup>+107.2</sup>  
146.625<sup>-107.2</sup> 443.200<sup>+107.2</sup>  
224.420<sup>-107.2</sup>  
144.390 Digipeater \*Fusion

**This month's meeting** begins at 7 pm on January 8, 2019, at Ellendale Church of Christ, 7365 Highway 70 Memphis, TN (1 ½ miles north of Highway 64 (Stage Road)).

Keith WX4EMT will be presenting his **FTM100 Go Box** setup at the January meeting on Jan 8, 2019. This is a VHF/UHF dual band Fusion capable transceiver that he has set up for quick portable deployments.

**Delta Club FCC testing sessions** are held monthly except December. Registration begins at 5:30 PM; testing begins by 6:00 PM. Please bring a photo ID and another form of identification, copies of existing licenses or CSCEs, and your FCC Registration Number (FRN) if one has been issued. Please be on time for registration to allow our Volunteer Examiner (VE) team to complete their work prior to the club meeting. The 2019 test fee is \$15 (cash or check). Individuals receiving their initial FCC license grant at a Delta Club test session or through a Delta Club training class will receive a complimentary individual club membership for the remainder of the current calendar year when they also show proof of ARRL membership. For more information, please email our VE Liaison, [Jeff Krause, AJ4GY](mailto:Jeff Krause, AJ4GY), or call at 901-301-6776.



**Congratulations** to the 2018 NEW Ham of the Year: **Mary Jean Hall KN4FBL**. Mary Jean has stepped in right after getting her tech license and worked several projects with the Delta Club and also has taken over as club secretary.

**President's Corner**  
Submitted by Steve Frazier, KK4VPT

January is always a good time to look back on the year past and to look forward to the year ahead. 2018 was another good year for Delta Club and 2019 promises to be even better. We are fortunate to have a large core of active members who over many years have helped us grow to be the club we are today. We are also fortunate to continue to have new members join us, which will help keep Delta Club growing in the future. I would like to take this opportunity to say thank you for what you have done and for what you will continue to do.

January is a good time of the year to update your calendar. A great resource for ham radio events and other information is <http://www.hamcalendar.com>. While this calendar is full, like all of our calendars there is always a way to squeeze in more. Please feel free to let any one of us on the Board of Directors know if there is anything you would like for us to add for 2019. One thing that has been suggested is to look at doing some group HF events in addition to Field Day.

While you are able to submit your Membership Application Form anytime of the year, we would appreciate you using January to start or renew your membership to Delta Club if you have not already done so for 2019. This may also be a good time to look at joining ARRL or if you are already a member it would be a good time to review your membership to know when you will need to renew your ARRL membership.

I look forward to seeing you at the meeting on Tuesday. And don't forget to join us every night at 8:00pm on the 146.820 repeater net. Thanks to our dedicated net controllers the nightly net is a great way to stay updated and in contact with fellow amateur radio operators in the area.

73  
Steve  
KK4VPT

**Treasurer's Report**  
Submitted by Linda Laseter KJ4CTX

Please RENEW your Delta membership right away, so you won't forget about it! Download the new member or renewal form [here](#). Membership for one is \$20 or family is \$25. You can fill out the form online and email to [David Jackson KM4SEC](#).

If you prefer you can print the form and bring the completed form, along with the membership fee to any meeting.

**DELTA AMATEUR RADIO CLUB**  
**Monthly Treasurer's Report**  
**For month ended December 31, 2018**  
Submitted by Linda Laseter Treasurer

**CHECKING ACCOUNT**

<b>BEGINNING BALANCE</b>	
<b>BEGINNING BALANCE</b> as of December 1, 2018	<b>\$9,474.01</b>

INCOME		
Date		Amount
12/27/18	2019 Membership dues	\$ 100.00
<b>TOTAL INCOME</b>		<u>\$ 100.00</u> <b>\$ 100.00</b>

EXPENSES				
Date	Check #		Description	Amount
12/04/18	1477	Linda Laseter	Door prizes - Dec 2018	\$ (38.22)
12/04/18	1478	B. McDonald	Part to repair antenna	\$ (48.95)
12/11/17	1479	Scott Adams	Hams for Dec meeting	\$ (54.16)
12/11/18	1480	Joe Lowenthal	Paper towels, plates etc	\$ (52.40)
12/11/18	1481	G. Tisdale	Antenna	\$ (30.00)
12/29/18	1482	Ellendale Church	Donation	\$ (300.00)
<b>TOTAL EXPENSES</b>				<u>\$ (523.73)</u> <b>\$ (523.73)</b>

**ENDING BALANCE** as of December 31, 2018 **\$ 9,050.28**

CERTIFICATES OF DEPOSIT					
	Maturity Date	Balance as of			
Certificate of Dep #8041	1/14/20	12/31/18	2.23%	\$	10,665.33
Certificate of Dep #0028	10/19/22	12/31/18	1.60%	\$	10,323.08
<b>TOTAL DARC CASH ASSETS</b>					<u><b>\$ 30,038.69</b></u>

**DARC Board of Directors Meeting Minutes**  
January 3, 2019 -- Submitted by Mary Jean Hall KN4FBL

Attendees: Steve Frazier KK4VPT, Bob Van Keuren KM4SEB, Mary Jean Hall KN4FBL, David Jackson KM4SEC, Joe Lowenthal WA4OVO, Bob Vawter KW4RJ, Scott Adams KM4PMU, and Barry McDonald W5CJ

Absent: Ed Taggard K7EDT and Len Grice W4MKS

Steve F. called the meeting to order at 6:30 p.m. at the Ellendale Church of Christ.

David J. read the Treasurer's Report. He confirmed to the board that he purchased a Dell computer and Quickbooks software for the club. He also updated the board on the status of getting everything switched over from Linda Laseter KJ4CTX, the previous Treasurer.

Barry M. informed the board about some recent issues with the Germantown repeater over the past few weeks that were bad UPS and internet related. Bob V. discussed updating and organizing the website. Mary Jean H. asked for feedback about organizing the member roster. Scott A. gathered feedback about the ham from the December potluck, as well as snacks that are currently offered at meetings.

Joe L. said that an Extra Class is scheduled from January 5 – February 16, 2019, except January 26, from 9 a.m. – 1 p.m. at the Northeast Police Precinct on Appling Farms Parkway. There are currently ten students signed up so far.

The board discussed hosting and encouraging more opportunities for HF activity in 2019, possibly through participation in special events or contests. The board also discussed upcoming opportunities to sell consignment items. A few members will travel to Jackson, MS for the Hamfest in late January to help sell consignment items, including large radios and testing equipment.

The board discussed the review of memberships per the club's bylaws.

Without objection, Steve F. adjourned the meeting at 8:03 p.m. The next Board of Directors meeting is scheduled for Tuesday, February 5 at 6:30 p.m. at Ellendale Church of Christ.

## **Minutes of Last Month's Club Meeting**

December 11, 2018 Submitted by Mary Jean Hall KN4FBL

### **Call to Order and Opening Remarks**

Club President Steve Frazier KK4VPT called the meeting to order at 7:00 p.m. at the Ellendale Church of Christ. Everyone then introduced themselves by name and call sign.

### **Potluck Dinner**

Ham Hillard W4GMM gave the blessing for the potluck dinner. Dinner lasted from 7:04 p.m. – 8:01 p.m.

### **Secretary's and Treasurer's Reports**

Ham Hilliard W4GMM moved to approve the previous meeting's minutes and the Treasurer's Report as published in Sparks. Dan Wehner KN4FBJ seconded the motion. The minutes and the Treasurer's Report were unanimously approved by the club.

### **Training**

Joe Lowenthal WA4OVO announced that an Extra Class is scheduled from January 5 – February 16, 2019, except January 26, from 9 a.m. – 1 p.m. at the Northeast Police Precinct on Appling Farms Parkway. Six students will need to sign up for the class to occur. The General Class will test Thursday, Dec. 13, 2018 at 7 p.m. at EMHC. Anyone else wishing to test at that time needs to sign up with Joe Lowenthal WA4OVO before the session.

### **Awards**

Jeff Krause AJ4GY recognized the VEs who helped at the test sessions throughout the year.

Joe Lowenthal WA4OVO recognized the Net Operators for 2018, as well as those individuals who helped with teaching or demonstrations in the classes.

Linda Laseter KJ4CTX recognized the YL Net Operators.

Steve Frazier KK4VPT recognized Mary Jean Hall KN4FBL as the New Ham of the Year.

### **Drawings and Closing Remarks**

Several members won prizes:

Richard Martin K4DXF, plush throw; Mary Jean Hall KN4FBL, \$25 Outback gift card; Ray Miller AA4UK, headlamp; Janet Wehner KN4FBI, case; Jim Martin KD4FUU, men's haircare kit; Scott Adams KN4PMU, \$25 Outback gift card; Ervin Ables KU4K, antenna; Ken Laseter KI4AOH, Santa Claus decoration; Doris Banks KJ4THA, BaoFeng radio; Linda Laseter KJ4CTX, BaoFeng radio; Ned Savage KA4BLL, 32" Insignia TV.

Ham Hilliard W4GMM moved to adjourn, and with no objection, Steve Frazier KK4VPT adjourned the meeting at 8:20 p.m. The next Delta Amateur Radio club meeting will be Tuesday, January 8, 2018 at 7 p.m. at the Ellendale Church of Christ

## HQ 101

Submitted by Ham Hilliard W4GMM

**HQ 101** is for new hams, old hams, and hams that want to know more about their hobby. This class is for you and I need to know what you want to learn about, so if you have a subject you are curious about let me know and if there is enough interest I will offer it one month. Email me at [w4gmm@bellsouth.net](mailto:w4gmm@bellsouth.net).



HQ 101 will meet at **5:30** pm on January 8, 2019 and the discussion will be HF radios and operation.

(note: HQ101 is meeting 30 minutes earlier this year)



# HAM LICENSE TRAINING for 2018

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.*

*If you want to take a class, send an email to Joe at [wa4ovo@gmail.com](mailto:wa4ovo@gmail.com) with the class name; ie, Tech Class, General Class, or Extra Class, on the Subject line and name, callsign if you have one, email address, and cellphone number in the text.*

*Licenses Earned in 2018 from Delta Classes*

34 Technician

9 General

7 Extra

**Note:**

**The current Technician ARRL Ham Radio License Manual Fourth Edition with question pool that became effective July 1, 2018 for four years. This is the new question pool.**

**The current ARRL General Class License Manual is the Eighth Edition with question pool that became effective July 1, 2015 for four years.**

**The current ARRL Extra Class License Manual is the Eleventh Edition with question pool that became effective July 1, 2016 for four years.**

**As of September 3, 2015 there is no longer any charge for Vanity callsigns.**

## PLANNED CLASSES

### **Tech Class 2-19**

The next Technician class will probably start in late February 2019 for six weeks either on a Monday or Thursday week nights or Saturdays unless the Extra Class does not materialize.

If you know anyone interested, send an email to [wa4ovo@gmail.com](mailto:wa4ovo@gmail.com) with the Subject Line for the class they want and name, email address and cellphone number in the text. If a ham, add callsign to the text.

## **CURRENT CLASS**

### **Extra Class 1-19 January 5 - February 16, 2019**

Extra Class 1-19 began on January 5<sup>th</sup> through February 16<sup>th</sup> excluding January 26<sup>th</sup> (Jackson MS Hamfest) on six Saturdays from 9am-1pm. Ten students are registered. The location is at the Memphis Police Department Northeast Precinct, Appling Farms Station, at 6850 Appling Farms Parkway.

The students are Scott KM4PMU, Russell KG5AVJ, Steve KM4VYA, Jerry KE4OZ, Carolyn KN4QNV, Jerry KN4KFI, Jim KD4FUU, Robert KN4OEF, Mac KJ4EHE, and Bob KN4PDW.

The instructors are Joe WA4OVO, Paul KA9VAU, Dean N2LAZ, Pat W4OQG, Barry W5CJ, and David KV4QI.

## **CLASSES COMPLETED**

### **General Class 4-18 November 1 – December 13, 2018**

General Class 4-18 was held from 6:15-9:30 on six Thursday nights from November 1<sup>st</sup> to December 13<sup>th</sup> excluding November 22<sup>nd</sup> at EMHC Ambulance Company training room, 6972 Appling Farms Parkway. Fourteen students started with eleven continuing in the class.

Congratulations to Steve KM4AEO, Carrie KN4LCU, Bill KM4VXW, Jim KD4FUU, Robert KN4OEF, and Bob KN4PDW for upgrading to General.

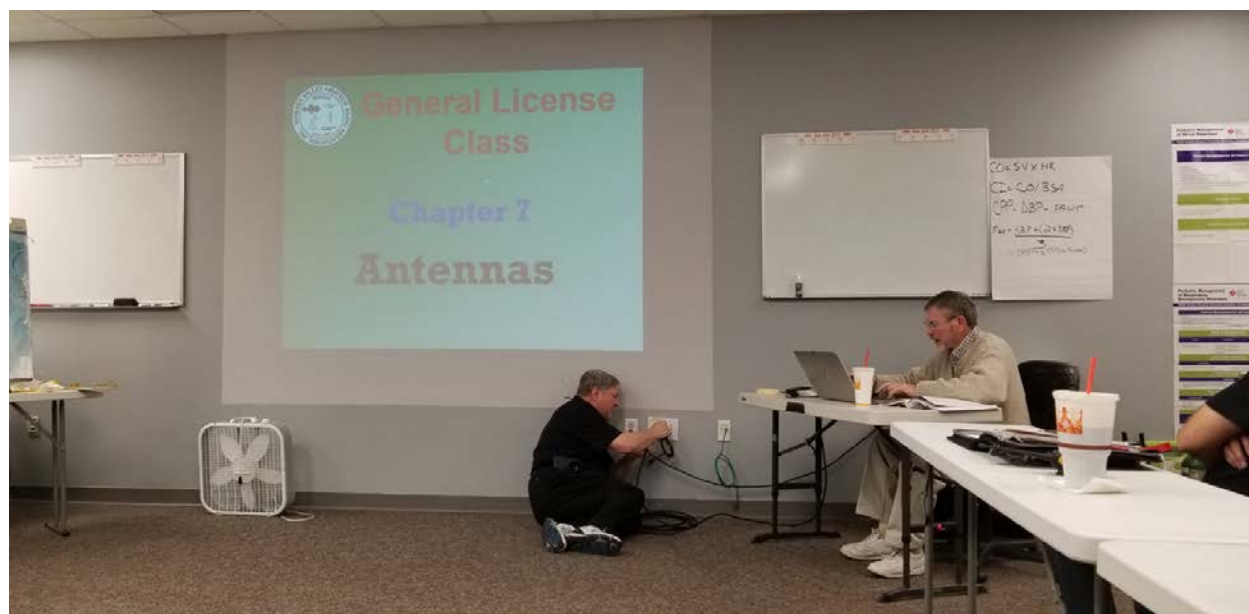
In addition to the students, congratulations to Carolyn KN4QNV for upgrading to General and William KI5CRC for earning his Technician license.

The instructors were Joe Lowenthal WA4OVO, Pat Lane W4OQG, Len Grice W4MKS, Barry McDonald W5CJ, Perry Hayes N4PSH and John Reiners KN4BVH. The Delta Club VE team led by Jeff Krause AJ4GY provided the FCC testing session at 7pm on December 13th.





General Class 4-18 with Barry W5CJ leading the section.



Len W4MKS is holding the HDMI cable to keep General Class 4-18 going for Joe WA4OVO. Photo by Jim Martin KD4FUU

### **Tech Class 3-18 June 28 – August 2, 2018**

Tech Class 3-18 had 12 enthusiastic students meeting on six Thursday nights from 6:15-9:30pm at the EMHC Ambulance Company training room on Appling Farms Parkway. The instructors were Joe WA4OVO, Barry W5CJ, Carrie KN4LCU, Perry N4PSH, and Pat W4OQG.

The equipment demonstrators on August 2<sup>nd</sup> were Joe WA4OVO on repeater basics, Rick WA4NVM and Richard K4DXF on satellites, Pat W4OQG on HF/MARS/Winlink, John KN4BVH on ARES and Rick KJ4NWQ on APRS.



Tech Class 3-18 showing off their CSCEs. Photo by Perry Hayes N4PSH

Congratulations to the 11 students who earned their Technician licenses: In photo from left to right standing: Rob Dyer KN4OEH, Robert Murry KN4OEF, Robert Cohn KN4OEP, Ian Lucas KN4OEK, Sylvia Lucas KN4OEJ, Kyle Fioranelli KN4OEL, Laura Matthews KN4OEM, Pierce Matthews KN4OEN, Brad Patterson KN4OEO, Rich Wilson KN4OEI, and seated Michelle Dach KN4OEG.

The WCARS VE team of Gary W5EMA, Perry N4PSH, David KM4SEC, Bill WC9S and Joe WA4OVO provided the test session.

### **Tech Class 2-18 February 24 – April 7, 2018**

Tech Class 2-18 was held from February 24<sup>th</sup> to April 7<sup>th</sup> except March 10<sup>th</sup> and 17<sup>th</sup> on five Saturdays from 9am to 1pm or 9am to 4pm at EMHC ambulance company training room on Appling Farms Pkwy. There were nine students in the class with five finishing testing.

Congratulations to Carrie Blackwell KN4LCU, Phillip Green KN4LCT, Jim Hambrick KN4LCS, David Robertson KN4LCW and John Volmer KN4LCV for earning their Technician licenses. Additional congratulations to Phillip KN4LCT and John KN4LCV for advancing to the General Class license.

The WCARS VE team of Gary W5EMA, David KV4QI, Perry N4PSH, Denise KM4IRR, Bob KW4RJ and Joe WA4OVO provided the test session.

The instructors were Joe Lowenthal WA4OVO, Barry McDonald W5CJ, Pat Lane W4OQG, David Webb KV4QI, Len Grice W4MKS, Perry Hayes N4PSH, and John Reiners KN4BVH.

The equipment demonstrators on April 7<sup>th</sup> were Joe WA4OVO on repeater basics, Rick Tillman WA4NVM on satellites, Pat Lane W4OQG on HF/MARS/Winlink, John Reiners on ARES and Rick Pellicciotti on APRS. Michael Knight KK4IOH gave an Echolink, D-STAR, and DMR digital presentation on March 24<sup>th</sup>.



Tech Class 2-18 with Barry W5CJ instructing  
Photo by Joe Lowenthal WA4OVO

## **Extra Class 1-18 January 13 – February 24, 2018**

Extra Class 1-18 was held on 5 Saturdays and one Sunday from January 13<sup>th</sup> to February 24<sup>th</sup> from 9am to 1pm on four Saturdays, 1-5pm on Sunday January 28<sup>th</sup>, and at 2:30 on Saturday February at EMHC ambulance company training room, 4<sup>th</sup> for FCC testing. All classes were at EMHC ambulance company, 6972 Appling Farms Pkwy. There were 10 students taking the class with two recent Extras auditing the class.

The students were Dan KN4FBJ, Janet KN4FBI, Billy K4IOA, Jim KN4GJF, David KM4SEC, Todd W4RTV, Ed K7EDT, Mac KJ4EHE, Carlos KK 4CRO, and Robert KN4FVT. The auditing Extras were Nathan KX4IA and Rick WB9TCB.

Congratulations to Carlos KB4C) (previously KX4IS and KK4CRO) and Todd W4RTV for their Extra upgrade at the February 13<sup>th</sup> Delta Club test session. Congratulations to Robert Horn KN4FVT, David Jackson KM4SEC, Ed Taggard K7EDT, Mac Tidwell KJ4EHE, and Dan Wehner KN4FBJ for their upgrade to Extra.

Thanks to the Delta Club ARRL team for providing the FCC test session. The VEs were Jeff AJ4GY, Stacy KJ4MDA, Perry N4PSH, Barry W5CJ, Tom KK4ZZZ, Bob KW4RJ, David KV4QI and Joe WA4OVO

The instructors were Joe Lowenthal WA4OVO, Paul Roberts KA9VAU, Dean Honadle N2LAZ, Barry McDonald W5CJ, David Webb KV4QI, and Pat Lane W4OQG.

## **Tech Review for CBU January 29, 2018**

A Tech Review class was held on January 29<sup>th</sup> for 18 Christian Brothers University students in the initial Engineering Department upper division elective course, Introduction to Unmanned Aerial Systems. All 18 students earned their Technician license while one also earned her General Class license. The students were either Electrical or Mechanical Engineering majors. Eric Welch WD5FTA is the professor. He is Department Chair of Electrical and Computer Engineering.

Thanks to the Laurel VEC team led by Tim Jones N5PYQ for providing the VE session.

## HOW TO PRINT YOUR FCC LICENSE

1. Go to [fcc.gov/uls](http://fcc.gov/uls)
2. Go to OnLineFiling box, Click on LOG IN
3. Enter your FCC Federal Registration Number (FRN) and Password
  - a. If you do not know your FRN, go to Search box and click on License  
Click on Amateur; Enter your callsign in Callsign box;  
  
Your FRN is in center of page after your name
  - b. If you do not know your Password, click on Contact Tech Support after Forgot your Password
4. In When My Licenses screen comes up, Click on Now in the green line reading “Change your paper authorization preferences [here](#), or download your official electronic authorizations [now](#)”
5. In Under Download Authorizations screen, highlight your callsign in the My Authorization area at the bottom left.
6. Click on ADD to right of the highlighted callsign.
7. Highlight your callsign in Authorization to Download and then click on Download on bottom right of screen.
8. If pop-ups are blocked, click on Allow One
9. Click Open at bottom.
10. Print your License.



## Amateur Hardware Update

Article and image submitted by James Butler, KB4LJV

Remote control units that allow you to operate electronics at a distance have been around since the first TV remotes. Remotes can be infrared light pulses for short distance control or RF for longer distances. Now we can buy a remote system to wire up as we want. The remote system has a transmitter with button for control and receiver board with relays that you can turn off and on. These are nice to build up custom remote systems. The good news is that multiple relay systems are on eBay for under fifteen dollars. They can be infrared or RF. They even have Bluetooth systems you can operate from your phone. The units normally run on 12 VDC and have 2, 4, or 8 relay outputs. If you are looking for a remote relay system look at all the ones on eBay. Go to eBay and search “remote relay board”.



## Amateur Packet Update

Submitted by James Butler, KB4LJV

For amateurs looking to upgrade their rotor controllers “Hy-gain“ has a line of digital controllers. They have various models that will replace the old analog units that originally came with the rotors. They have 1 degree accuracy and allow for full automatic computer control of the direction or manual control. These controllers also offer additional features to save you rotor from damage. They check to make sure rotor is not stuck before moving. The controller turns off the motor to allow coasting into direction before applying the brake. The number of coast degrees is adjustable. The displays are extra-large Gas-Plasma readouts. Jog on start function allows for clean brake release before moving to next heading. The controllers are Ham Radio Deluxe software compatible. Check out the site to see all the models they make. The web address is <http://www.hy-gain.com/>



## Homemade TV Antenna - Ray AA4UK

This is a TV antenna that worked very well for me. I can't vouch mathematically for the dimensions - but versions of this format are all over the web and visible on many commercial antennas. Some antennas like this have a wire mesh reflector, mesh may add gain, but may also block signals from the back side – but that much metal will make the antenna a lot bigger & more visible if used indoors.

The 8 wire elements are 14” bent to make 7” V-elements with 3” spread at the tips. The elements can be copper or brass if you plan on soldering, or some other metal if there are good pressure type connections. Solder will stick to a lot of stuff if it's clean, experiment. You may want to make a first version out of scrap materials to see if it works for you.

The V's centers are 1.25” apart, and it's 5.25 to 5.5” between the mounting screw sets.

Bow and insulate where connecting wires cross. A quality 300 to 75 ohm matching transformer is necessary at the center terminals, so low loss coaxial cable can be run to your TV.

I opened eyelets, cut sides and made eyelet-hangers as in my pictures. I used the metal out of old windshield wipers – which turned out to be the perfect springy material (guess that would require garbage can/dumpster diving at auto parts dealers).

I indented the wood with the elements in a vise. If stainless wire could be found – that would be good.

It picked up very well on all channels & many unknown ones, but ch 5 was 0%, ch13 was 50% & this is the reason why:

<https://www.fcc.gov/media/television/tv-query> where I discovered:

$234/78\text{mhz}(\text{ch } 5) = 36 \text{ inch} = \frac{1}{4} \text{ wave}$  &  $234/212 (\text{ch } 13) = 13.2 \text{ inch}$

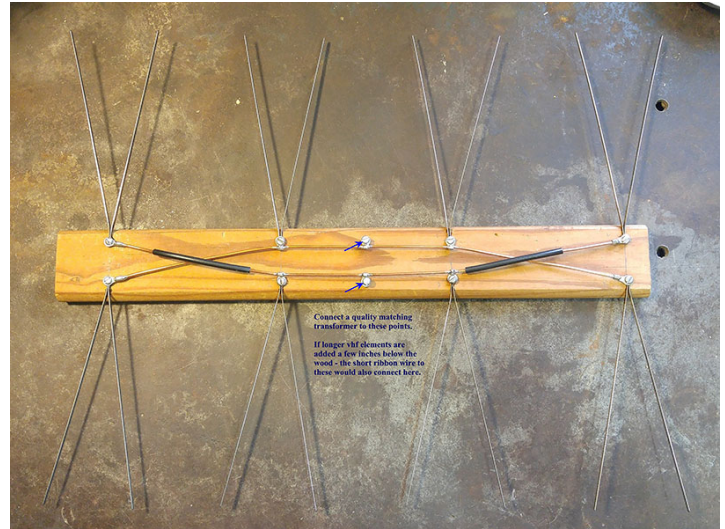
So to receive these lower frequencies, I used old rabbit ears, each extended out to 36” (total = little over 72” wide) and mounted them a few inches behind the wood board – and connected them to the same terminals on the wood with minimal ribbon wire. Mine is on top of the kitchen cabinets, propped up some, turned sideways, with the 72” element laying a couple of inches under it, and it works very well.

Channel 5 now solid, & 13 is good also & must have been satisfied with the long antenna. Didn't experiment with orientation too much - but noticed one end or side must be up some, lying flat didn't work nearly as well.

If nothing else, it's good to know the current frequencies that virtual-channels and old channel numbers are broadcast on - in case you ever have a lone TV, want to cut the cable, or add services to an internet based TV system.



Connect coax-twin lead matching transformer, and short twin lead (that goes to longer elements) to these center screws.



Homemade 7" V element TV antenna. Adding two longer elements a few inches behind the board will allow reception of low-band VHF like our local ch 5 (two 36" elements).



Wire eyelet was opened and sides cut to make a hanger eyelet.

Also, look at my " Desktop with no icons " article.

<http://puppydepot.com/hamcalendar/pages/c%20page%204%20x%203.htm> It's really a simple, useful thing to do, once you do it, & get the hang of it.

**Delta Club Christmas Party – December 11, 2018**

Submitted by Bob KW4RJ



**New Ham of the Year – Mary Jean Hall  
KN4FBL**



**Delta Net control operators – 2018; Bob  
KW4RJ, Barry(2) W5CJ, Carrie KN4, David  
KM4SEC, Tom KM4AEM, Barry(1)  
WB4SWP; Joe WA4OVO (Net Control  
Manager)**



**Delta Club Volunteer Examiners - 2018**



**Delta Club YL Net control operators  
Barry WB4SWP, Betsy KD4KOM, Linda  
KJ4CTX, Stacey KJ4MDA,  
Carrie KN4LCU**





**Delta Training Team – 2018**  
Barry W5CJ, Pat W4OQG, Joe WA4OVO,  
Rick WA4MVM, Richard K4DXF



**Ann WB4FAA & Jim KI4I**



**Dwane KM5TI & Ray AA4UK**



**Pat W4OQG and Barry WB4SWP**



**Janet KN4FBI, Anne KB4FAA & Jim KI4I**



**Steve KK4VPT and Joe WA4OVO**





**LOTS of good food!**



**Thanks, Scott KM4PMU, for getting the HAM!**



**Delta Club 2018 President, Steve KK4VPT**



## YL Information

Submitted by Linda KJ4CTX

### January 2019

**YL NET** – Please join us each Saturday night at 8:45 p.m. on the 146.820 repeater for the YL Net. We enjoy hearing from you.

**HAPPY NEW YEAR!** Thank you to all the YL's and OM's that checked-in and supported the YL Net in 2018. We wish you a prosperous and healthy new year.

Congratulations to Carrie KN4LCU on upgrading to General! We understand you are already working toward your Extra class license. Keep up the good work Carrie.

We enjoy checking in each Saturday night just to see who will join us. We hope you will set your alarm for 8:45 p.m. Saturday night and join in the fun.

**YL LUNCHEON** – In keeping with our normal yearly schedule we did not have a luncheon in December due to all the parties and functions everyone attends leaving little room in their schedules for one more event. We are back on schedule and our January luncheon will be as follows weather permitting.

#### **JANUARY LUNCHEON WILL BE:**

**Saturday**

**January 12, 2019**

**11:30 a.m.**

**Olive Garden Wolfchase Hwy 64**

We will begin planning our booth for Free Fest 2019 at the January luncheon. We would love for you to join us and bring your ideas for the YL Silent Auction and craft ideas for our booth. We would especially love for any YL crafters to bring their ideas and samples of their work. We will not have room for everything due to our table size limitations so we will be making our decision at this meeting as to the items we will display for sale. We will be donating to Le Bonheur from our sales.

YLS this is your chance to make new friends, share ideas, ask questions and have fun. Please come join in the fun!



## 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, neither 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

Please note that you must provide your name and call sign if you're requesting specific actions or personal follow-ups, and also be aware that any profane or mean-spirited comments will be unceremoniously discarded without consideration.

Delta Club Members Can Like Us/Follow Posts On Facebook! Go to <https://www.facebook.com/darcmem>.

### 2019 Board of Directors

**President**

[Steve Frazier, KK4VPT](#)  
901-218-6385

**Vice President**

[Bob Van Keuren, KM4SEB](#)  
901-853-0303

**Secretary**

[Mary Jean Hall, KN4FBL](#)  
901-356-1475

**Treasurer**

[David Jackson, KM4SEC](#)  
901-487-3016

**Director of Training**

[Joe Lowenthal, WA4OVO](#)  
901-628-4318

**Director of Publications**

[Bob Vawter, KW4RJ](#)  
901-438-4563

**Director of Programs**

[Ed Taggard, K7EDT](#)  
480-225-7327

**Director of Meetings & Special Events**

[Scott Adams, KM4PMU](#)  
901-573-6280

**Repeater Trustee**

[Barry McDonald, W5CJ](#)  
901-853-0510

**Public Information Officer**

[Len Grice, W4MKS](#)  
901-522-6711

**Immediate Past President**

[Ken Laseter, KI4AOH](#)  
901-487-9103

**ARES**  
**Amateur Radio Emergency Service**  
**Emergency Coordinator (EC) - John Reiners KN4BVH**

If you are interested in joining Shelby County ARES, complete an application at [www.tnares.com](http://www.tnares.com). Click (do not pull down) on INFORMATION on the top right of the page. Then, go to TN ARES Membership and Appointment Application Forms and then click on ARES Membership Application: FSD-98. Complete the form and click on Submit at the bottom. You should get an acknowledgement soon after submitting.

**Public Service Events**

If you are a coordinator for any of these events, please review the listed information. Please [email](#) corrections or additions.

<b>2019 Date</b>	<b>Event</b>	<b>Contact Information</b>
Jan. 20	Swamp Stompers 50K/25K Run	Ken Laseter KI4AOH <a href="mailto:kenlaseter@gmail.com">kenlaseter@gmail.com</a>

**Area HamFests**

**2019**

January 25-26	<a href="#">Capitol City HamFest in Jackson, MS</a>
February 8-10	<a href="#">HamCation 2019 in Orlando, FL</a>
February 16	<a href="#">LCARC's 2019 Winterfest in Hoxie, AR</a>
March 1-2	<a href="#">BirmingHamFest 2019 in Birmingham, AL</a>
March 23	<a href="#">Ides of March HamFest in Union City, TN</a>
April 13	<a href="#">Memphis FreeFest in Bartlett, TN</a>
May 17-19	<a href="#">Hamvention in Xenia, OH</a>
July 27	Greater Nashville & Middle TN HamFest in Lebanon, TN
August 17-18	<a href="#">Huntsville HamFest in Huntsville, AL</a>
October 18-19	<a href="#">HamFest Chattanooga in Chattanooga, TN</a>

**Tennessee Amateur Radio License Plate**  
Submitted by Joe Lowenthal, WA4OVO

- As of October 2018 all you need to renew your ham tag is to provide a copy of your FCC license with a copy of your last year's registration or a renewal notice, if you received one, and your payment.

The link below is for information and instructions about Tennessee ham radio call sign Emergency/Safety automobile license plates:

<https://www.tn.gov/revenue/title-and-registration/license-plates/available-license-plates/emergency-safety.html>

The application can be found at this link:

<https://www.tn.gov/content/dam/tn/revenue/documents/forms/titlereg/fl312601Fill-in.pdf>

The following link from the Tennessee Department of Revenue

<https://www.tn.gov/revenue/title-and-registration/license-plates/available-license-plates/emergency-safety.html> has the Amateur Radio auto tag information.

**Memphis Area VHF/UHF Nets**

Updated January, 2018

Name of Net	Freq. MHz	Offset/Tone	Local Time	Day of Week
<b>Delta Club Information Net</b>	<b>146.820</b>	<b>-(107.2)</b>	<b>8:00p</b>	<b>Daily</b>
<b>YL Net</b>	<b>146.820</b>	<b>-(107.2)</b>	<b>8:45p</b>	<b>Sat</b>
Mid-South Bullfrog Net	146.535	[simplex]	7:30p	Daily
Elmer Net	145.210	-(107.2)	9:00p	Sun
MedMERS Net	146.820	-(107.2)	12:00p	Wed
ARES Training Net	146.850	-(107.2)	9:00p	Thu
Super Sunday Niner Net	927.6125	-(146.2)	8:30p	Sun

**Delta Club sponsored Nets are shown in red.**

## TENNESSEE HF NETS

As of January 2019  
All times are Central Time

---

<b>Net Name</b>	<b>Freq. MHz</b>	<b>Local Time</b>	<b>Day of Week</b>
Tennessee CW Net	3.563	7:00p	Daily
Tennessee Slow CW Net	3.682	7:30p	Tue-Sun
Tennessee Alternate Phone Net	7.238		As needed
CUSEC	3.810		As needed
CUSEC	7.180		As needed
(Center for United States Earthquake Consortium)			

### **3980 kHz – Tennessee Phone Net**

Mon-Fri - 5:40 AM, 6:45 AM & 6:30 PM

Saturday - 8:00 AM & 6:30 PM

Sunday - 8:00 AM only

Holidays - 8:00 AM only

## DELTA CLUB ADVERTISEMENTS



### MID-SOUTH AMATEUR RADIO SUPPLY (MSARS)

6631 Vallendar Cv., Bartlett, Tennessee 38135

tel: 901-371-9700 • fax: 901-266-3374 • web: [www.msars.com](http://www.msars.com)

#### CURRENTLY STOCKING

Antennas	Antenna Mounts	Connectors	Coax & Cable
HT	Magnet	UHF	RG-213
Mobile	Trunk Lip	"N"	RG-8/U Mini
Base Station	Roof Mount	SMA	RG-58
HF	Window Mount	BNC	450 & 300 Ohm
Wire	Swivel Ball	RCA	Rotor Cable

LDG Electronics	Accessories	Miscellaneous
Automatic Antenna Tuners	RF Chokes	Gordon West Books
Remote Tuners	Power Poles	Coax Seal
Brand Specific Antenna Tuners	Antenna Switches	Fuse Holders
Baluns	SWR/Power Meters	Remote Tuner Boxes
Ununs	Mic Holders	Dog Bone Insulators

**Owners/  
Operators**

**Steve  
W5VAA**

**Rosalinda  
WN2V**

**Ham  
W4GMM**

Mid-South Amateur Radio Supply, (MSARS.COM) is owned and operated by local hams who are dedicated to promoting the hobby and providing help to anyone interested in ham radio. We actively support the local amateur radio clubs and are ARRL members.

MSARS offers free antenna building classes each year and help many new hams with guidance on their first radio, setting up a ham shack, programming a radio and much more. We are proud to be a part of the ham radio community and are *here to help you*.

### 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)



**Joe Miller**  
Owner

Chick-fil-A Paragon Place  
6282 Poplar Avenue  
At Poplar and Massey  
Memphis, TN 38119  
W - 901.766.1875  
C - 901.230.3043  
[Joe.Miller@cfafranchisee.com](mailto:Joe.Miller@cfafranchisee.com)  
[chick-fil-a.com](http://chick-fil-a.com)

**Advertisement forms can be downloaded  
from our website –**

**<http://deltaclub.org/aboutUs.html>**