

# DELTA AMATEUR RADIO CLUB

# SPARKS

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



**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

## NEXT CLUB MEETING

**DATE:** March 8, 2011 (2<sup>nd</sup> Tuesday of each month)  
**PLACE:** Ellendale Church Of Christ, 7365 Highway 70  
Memphis, TN ( 1 ½ miles north of Hwy. 64 – Stage Road)

**TIME:** 7:00 PM

**PROGRAM:** **Lightning**  
Presented by: David Campbell – KD4NOQ

**VE TESTING:** Don't forget the monthly Volunteer Examiner testing session. Registration begins at 5:30 PM and testing begins promptly at 6:00 PM. Please remember to bring two (2) forms of identification and copies of any existing licenses or CSCE's you might have. Please be on time for registration, as you will not be allowed to enter the testing session after 6:00 PM. This is to allow our volunteer VE team to finish in time to attend the club meeting. For more VE testing information, please contact:

Bill Stevens, WC9S, VEC  
Phone: 901-603-3448  
Email: WC9S@att.net

## PRESIDENT'S CORNER

By: Rosalinda Melena KI4ZKW

The transition to warmer weather will find many a ham putting up a new antenna, replacing a damaged length of coax, setting new ground rods or climbing a tower section.

Each year hundreds of people are killed or injured while attempting to install, repair or dismantle an antenna. In many cases, the victim was well aware of the dangers, but did not take adequate steps to avoid the hazards.

As we begin our spring projects, remember safety is as simple as ABC...

Always Be Careful.

- Do not place an antenna where it could potentially fall on to, or blow into a power line. Do not install wire antennas over or under utility lines.
- Never use a utility pole as a support for an antenna or guy wire.
- Outdoor antennas should be grounded. The radio should also be grounded to an earth ground to help protect both the radio and its user. Do not use hot water pipes or gas lines as a ground source.
- Take the time to plan your installation procedure. A foreman or "boss" should be chosen to call out instructions and watch for signs of trouble
- Dress properly with rubber soled shoes, rubber gloves, and long sleeve shirt. Use an approved safety belt and hardhat.
- Do NOT work on a wet or windy day or if a thunderstorm is approaching.
- If any part of the antenna should come in contact with a power line . . . DON'T TOUCH IT OR TRY TO REMOVE IT YOURSELF. Call your local power company immediately. They will remove it.

For more tips visit, <http://www.arrl.org/files/file/Technology/tis/info/pdf/0106091.pdf>

73 to all. Be Safe!!

### TREASURER'S REPORT

Submitted By: Rick Tillman WA4NVM

<b>Beginning Balance</b>	<b>as of February 1, 2011</b>	<b>\$13,113.69</b>
--------------------------	-------------------------------	--------------------

#### Expenses

Danny Banks	Monthly club refreshments	\$37.41
U of M	(phone line)	\$22.94
M. Torkell	Estate Sale	\$1,000.00

<b>Total Expense</b>	<b>\$1,060.35</b>
----------------------	-------------------

SubTotal **\$12,053.34**

#### Income

Membership Dues	\$535.00
Nov. Ticket Sales	\$60.00
Advance Patch Sales - 33 @ \$5 each	\$165.00
Donation	\$125.00

<b>Total Income</b>	<b>\$885.00</b>
---------------------	-----------------

<b>Ending Balance</b>	<b>as of February 28, 2011</b>	<b>\$12,938.34</b>
-----------------------	--------------------------------	--------------------

Submitted by Rick Tillman WA4NVM

## **BOARD MEETING MINUTES**

February 1, 2011 - Presented by: Bill Stevens WC9S, Secretary

The February 2011 meeting of the Delta Amateur Radio Club board was called to order at 7:00 by president Rosalinda Melena ki4zkw.

- The budget was completed and agreed upon for publishing in Sparks and will be presented at the February meeting.
- There was a discussion about ways to raise additional funds for the club.
- It was decided to bring up at the meeting to see if we want to have a bus to the Huntsville Hamfest this year.
- A general discussion was had about ways to increase membership.
- The board also would like to try to build a list of all of the club assets.
- It was also discussed to ask for volunteers to help update the Bylaws.

Meeting adjourned at 8:45

## **GENERAL CLUB MEETING MINUTES**

February 8, 2011 - Presented by: Bill Stevens WC9S, Secretary

The meeting was called to order at 7:05 PM by president Rosalinda Melena KI4ZKW.

- Motion by Ham Hilliard W4GMM, Seconded by Bill Covington KC4SXT to accept minutes as published in Sparks. Passed
- Treasurer's Report was read by Rick Tillman WA4NVM. Motion to accept minutes by Ham Hilliard W4GMM, Seconded by Ken Laseter KI4AOH. Passed
- Richard Martin KJ4DXF gave a report on field day progress.
- Rick Tillman WA4NVM presented the 2011 budget. Motion to accept the budget by Ham Hilliard W4GMM, Seconded by Bill Covington KC4SXT. After discussion, motion passed.
- Lance Morris suggested we set up a training and certification for operation of antenna trailer.
- Ways to raise funds for the club were discussed. Ham Hilliard W4GMM presented the possibility of buying club patches and selling them to members. The purchasing of decals was also discussed.
- Motion to buy 200 patches for \$2.50 each and sell them for \$5.00 each was made by Bill Covington KC4SXT, Seconded by Richard Webb NF5B. Motion passed.
- Don Gilmore WB4ZTE volunteered to donate \$125.00 toward the purchase of the patches.
- Denise Gauncheau KJ5DG presented the idea of Delta applying for grants in a joint effort with ARES and possibly MARA and Tri-State.
- Ken Laseter KI4AOH brought up the possibility of selling advertising in the Sparks for 3 months at a time. The advertising would have to be artwork ready. Roger Schlichter WR4R suggested being able to split up the months.
- Ham Hilliard W4GMM made a motion to sell advertising in sparks, Seconded by Jose Ibarra KJ4TCJ. Motion passed.
- Certificates were presented to the Swamp Stompers volunteers.
- The program was given by Pat Lane on antennas with the assistance of Joe Lowenthal WA4OVO.
- Before adjournment, there were several announcements.

- Please pay your 2011 membership dues.
- Buy tickets early for the drawing in November.
- Get the ham calendar at [hamcalendar.com](http://hamcalendar.com)
- Wire antenna class coming up taught by Ham Hilliard W4GMM.
- Severe weather presentation
- Need volunteers for the March of Dimes walk.
- Skywarn class coming up.
- Door prize won by Joe Lowenthal WA4OVO.

Meeting adjourned.

## AMATEUR PACKET UPDATE

By: James Butler – KB4LJV

Many times we want to put up cheap effective wire antennas for the HF bands. Since we build them we can set them up for resonance on any part of the bands we want. Other than wire the main components is the center insulator and the end insulators. These are usually made from an insulator like glass or a plastic. The Jetstream Company has come out with a line of insulators for wire antennas. They have a new center insulator for about \$16.00 and they also have a new line of end insulators in white gray or black for \$1.00 each. These would make a good start for building up your own custom wire antenna. To get more information go to their website at [www.jetstream-usa.com](http://www.jetstream-usa.com)

## AMATEUR HARDWARE UPDATE

By: James Butler – KB4LJV

Many times we like to build up our own amateur equipment. QRP transmitters and transceivers are easy to build from scratch or kits. Since these are made for portable use the voltages they run on can vary. The pixie2 runs on 9 volts DC. Others are made to run on 4 AA batteries or about 6 VDC for power. Some use 8 AA batteries for 12 VDC. The 13.8 Volt power supplies we have at home can be too high a voltage to safely run these radios. This month's project is the QRP VARIABLE DC SUPPLY. It hooks up to your home 13.8 volt supply and allows you to dial in the lower voltage you need for those QRP rigs. The supply uses the LM317 variable



voltage regulator. This is a simple three terminal electronic regulator. Looking up the spec sheet for this shows a simple circuit that lets us vary the voltage from 1.2 volts up to about 2 volts lower than the bench supply it is hooked up to. Mine was 1.2 to 11.5 VDC. I mounted the circuit in a small case with a dial and homemade voltmeter to adjust the voltage. The circuit is good for 1 amp with a heat sink installed which is plenty for QRP work. The supply works well and allows me to play with those QRP rigs that run on a lower voltage without having to buy batteries.

## 2011 TRAINING CLASSES

Submitted by: Joe Lowenthal WA4OVO, Director of Training

***There is no charge for classes, but the student is responsible for the purchase of the license manual and the \$15 ARRL FCC examination fee.***

Licenses Earned in 2011 from Delta Classes

0 Technician

1 General

5 Extra

### **CLASSES PLANNED**

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

#### ***Technician-General Class 2-11 – March 4- 5, 18-19 and 25-26, 2011***

A remedial Technician and General license class is scheduled for three Friday nights and three Saturdays from March 4<sup>th</sup> through March 26<sup>th</sup> at the Mid-South Chapter, American Red Cross, 1400 Central Ave. The Friday night sessions are from 6:30-9:30pm. The Saturday sessions from 9am to 4pm. The instructors will be Joe Lowenthal WA4OVO, Pat Lane W4OQG on antenna and feedlines, and Alan Proffitt AE5RX on electronics. Bill Stevens' VE team will provide FCC testing on the afternoon of the 26<sup>th</sup>.

#### ***Technician Class 3-11 – To Be Determined***

A Technician class is proposed for April and into May on Monday nights if interest is shown from at least 15 students.

### **FUTURE CLASSES**

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

If you are interested in the first amateur license class, Technician, please let us know by sending an email to [wa4ovo@yahoo.com](mailto:wa4ovo@yahoo.com) with subject line "Technician Class" and give name, email address, and a contact phone number (preferably a cell number). Or you can go to the Delta Club webpage [www.deltaclub.org](http://www.deltaclub.org) click on Training Classes; then click on Technician Class to send an email, or call at 901-683-2701. We usually publish class schedules a month or two in advance. You will be notified by email or phone when the class is set if you send an email informing us of your desire to be in a class.

There is no charge for the class, but registration is required. Advanced study of *The ARRL Ham Radio License Manual*, product #0977 / ISBN 978-0-87259-097-7 (red-brick colored cover) is strongly suggested as well as study of the 396 question and answer Technical Class License question pool. Barnes & Noble Booksellers may have this manual. You can purchase it online from [www.arrl.org/catalog\\_or\\_on Amazon.com](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 NCVETC on February 1, 2010, can be seen at <http://www.ncvec.org/page.php?id=356>. Testing for this new question pool started July 1, 2010.

Practice tests are highly recommended. The [www.qrz.com](http://www.qrz.com) website is free. To access the sample tests, click on Main Menu to the right of the Search button on the QRZ Home Page. Scroll down and click on Practice Amateur Radio Exams. Click on Start Test to enter QRZ Practice Test Center. Click on Technician 35 Questions. Click on Wait For Correct. (This feature gives you the ability to answer again to get the correct answer if you miss the first time. On each answer it will either show Wrong Answer or Correct.) Click on Begin Test. Statistics are given at the top of the screen with the number of Completed questions, the Accuracy percentage, and the Overall percentage of questions completed on the test. Be sure to study multiple QRZ tests. The first test is only the first question from each of the 35 subgroups of the question pool. The second test is only the second question from each of the 35 subgroups, and so on. It is recommended to take at least 15 of the sample tests to be able to see all 396-question pool questions.

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

- [www.aa9pw.com](http://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@yahoo.com](mailto:wa4ovo@yahoo.com) 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 901-683-2701. The textbook is *The ARRL General Class License Manual, Sixth Edition*. This edition with its question pool is valid through June 30, 2011. Lately, we have been running a combined Technician-General class. You will be notified by email or phone when the class is set.

### ***Basic Electronics Class***

The Basic Electronics Class is designed to bridge the electronics-learning gap between the General and the Extra Class licenses. The class textbook is ARRL's *Understanding Basic Electronics, Second Edition*. The suggested calculator is the Casio fx-260 solar calculator, which can be purchased at Wal-Mart for about \$10. There is no exam for this class. The class has been held in the September-November time frame.

If you are interested in the Basic Electronics Class, please let us know by sending an email with name, email address and contact phone, preferably cell number to [wa4ovo@yahoo.com](mailto:wa4ovo@yahoo.com) with subject line "Basic Electronics Class" or call at 901-683-2701. You will be notified by email or phone when the class is set.

## *Extra Class*

If you are interested in an Extra Class, please pre-register by going to the Delta Club web page [www.deltaclub.org](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@yahoo.com or call at 901-683-2701. You will be notified by email or phone when the class is set. Classes have been held on Saturdays for 6 or 7 weeks in January and February.

### **COMPLETED CLASSES**

#### ***Extra Class 1-10 Revisited***

Congratulations to Danny Banks KJ4FXZ for earning his Extra Class license on February 19<sup>th</sup> at a WCARS testing session.

#### ***Technician Class 5-10 Revisited***

Congratulations to Dean Eicher KJ4WOY for earning his General Class license in January and his Extra Class license on February 19<sup>th</sup> at the WCARS testing session.

#### ***Extra Class 1-11 January 15-February 19, 2011***

Extra Class 1-11 began on January 15<sup>th</sup> for six Saturdays from 9am to 1pm at the Memphis-Shelby County Health Department East Complex. Seven students began with six finishing the class. Dean Honadle N2LAZ, Pat Lane W4OQG, Alan Proffitt AE5RX, and Joe Lowenthal WA4OVO were the instructors.

Thanks to the Delta Club's VE team of Bill Stevens WC9S, Jeff Krause AJ4GY, Ray Wilson W4VRL, and Joe Lowenthal WA4OVO for providing the students with the opportunity to take the exam. Congratulations to Al Freeman KD4TJM, Dustin Maki KD0HBJ and Calvin Oliphant AK4FV, formerly KJ4SJS who successfully passes their Extra Class exam.

#### ***Boy Scout Radio Merit Badge – January 22, 2011***

A Radio Merit Badge class was held on January 22, 2011 as a part of Troop 457's Merit Badge College for the Chickasaw Council at St. Benedict Auburndale School. The two scouts in the class completed their merit badge requirements. Aaron Alexander KI4OTH was on 146.82 repeater for the 10 minute QSOs with both scouts. One of the students was from Topeka, KS. He is an Eagle scout trying to earn all of the 120+ merit badges. Thanks go not only to Aaron, but also Hugh Wardlaw WB4SLI and Rick Tillman WA4NVM for their help in conducting the class.



Extra Class 1-11

Photo by Joe Lowenthal WA4OVO

Pictured from left to right: front row- Dennis Foster KJ4BDU; 2<sup>nd</sup> row front-Dustin Maki KD0HBJ, instructor Alan Proffitt AE5RX, Al Freeman KD4TJM, Mac Tidwell KJ4EHE, Don Gilmore WB4ZTE; 3<sup>rd</sup> row- Calvin Oliphant KJ4SJS



## PUBLIC SERVICE EVENTS

If you are a coordinator for any of these events, please review the listed information. If it is incorrect or changes need to be made, please provide me with the correct information. Please email corrections to me at [kmlaseter@laseterinc.com](mailto:kmlaseter@laseterinc.com).

DATE	EVENT	COORDINATOR	CONTACT INFO.
<b>January</b> 16 <sup>th</sup>	Swamp Stompers	Danny– KJ4FXZ	<a href="mailto:kj4fxz@arrl.net">kj4fxz@arrl.net</a>
<b>March</b> 4 <sup>th</sup> weekend	City Slickers Equestrian Event	Richard – NF5B	(No Contact Information)
<b>April</b> 30 <sup>th</sup>	Tour de Cure <small>(Denise needs volunteers. This event will start on Mud Island and Denise needs between 14 and 18 volunteers to help. If you have questions don't hesitate to email or call her at 901-248-4806.)</small>	Denise – KJ5DG	<a href="mailto:kj5dg.denise@gmail.com">kj5dg.denise@gmail.com</a>
30 <sup>th</sup>	March for Babies (March of Dimes) <small>(Bob still needs volunteers. The walk will be held at Shelby Farms and he needs between 16 and 18 volunteers to help. If you have questions don't hesitate to email or call him at 901-382-5467.)</small>	Bob – KF4NDH	<a href="mailto:kf4ndh@bellsouth.net">kf4ndh@bellsouth.net</a>
<b>May</b> 22 <sup>nd</sup>	Memphis in May Triathlon	Ned - KA4BLL	<a href="mailto:ka4bl1@arrl.net">ka4bl1@arrl.net</a>
<b>September</b> 10 <sup>th</sup> & 11 <sup>th</sup>	MS 150 Bike Ride	Darrell - KK4D	<a href="mailto:kk4d@xipline.com">kk4d@xipline.com</a>
<b>December</b> 3 <sup>rd</sup> 3 <sup>rd</sup>	St. Jude Marathon Bartlett Christmas Parade	Roger – WR4R Dennis – KJ4BDU	<a href="mailto:ki4ajh@bellsouth.net">ki4ajh@bellsouth.net</a> <a href="mailto:dcvv3714@aol.com">dcvv3714@aol.com</a>
TBA	Boy Scout Merit Badge University	Hugh – WB4SLI	<a href="mailto:hwardlaw@bellsouth.net">hwardlaw@bellsouth.net</a>
TBA	Juvenile Diabetes Research Foundation Walk	Kathleen - KC0HZU	(No Contact Information)



## MEMPHIS AREA VHF/UHF NETS

Net Name	Freq. MHz	Local Time	Day
Mid-South Barefooted Bullfrog net	146.535	7:30p	Daily
<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+(107.2Hz)	9:00p	W
Two meter single Sideband Net	144.260 USB	8:30p	Th
ARES Training Net	146.880-(107.2)	9:00p	2 <sup>nd</sup> & 4 <sup>th</sup> 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	

## SPARKS NEWSLETTER & DELTA CLUB INFORMATION

SPARKS is published monthly by the Delta Amateur Radio Club and emailed to club members. All information published in this newsletter is provided as a service. While every reasonable effort has been made to ensure accuracy, the Delta Amateur Radio Club nor it's officers assume any liability resulting from errors or omissions. All correspondence may be mailed to:

Delta Amateur Radio Club  
P.O. Box 342768  
Memphis, Tennessee 38184-2768

### 2011 BOARD OF DIRECTORS

**President:**

Rosalinda Melena – KI4ZKW  
901-921-4474  
[ki4zkw@gmail.com](mailto:ki4zkw@gmail.com)

**Vice-President:**

Richard Martin – K4DXF  
901-372-3722  
[k4dxf@att.net](mailto:k4dxf@att.net)

**Secretary:**

Bill Stevens – WC9S  
901-603-3448  
[wc9s@att.net](mailto:wc9s@att.net)

**Treasurer:**

Rick Tillman – WA4NVM  
901-268-7047  
[wa4nvm@comcast.net](mailto:wa4nvm@comcast.net)

**Director of Training:**

Joe Lowenthal – WA4OVO  
901-683-2701  
[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:**

Danny Banks – KJ4FXZ  
901-861-3229  
[kj4fxz@arrl.net](mailto:kj4fxz@arrl.net)

**W4BS Repeater Trustee:**

Darrell Sheffield – KK4D  
901-872-3367  
[Darrell.Sheffield@xipline.com](mailto:Darrell.Sheffield@xipline.com)

## ANNOUNCEMENTS

### **J-POLE ANTENNA CLASS**

SATURDAY MARCH 26, 2011 (9:00 am til finished, about 1:00 pm) Lunch Provided.  
6631 VALLENDAR CV  
BARTLETT, TN 38135

COST \$25.00 (covers cost of materials for building an antenna)

Each student will build and tune a copper J-pole antenna on one of the following 146 MHz, 220 MHz or 440 MHz, students' choice. The antenna will be the students' to take home and use. Other J-pole antennas will be discussed and if someone wants a 6 Meter antenna then there will be extra cost and W4GMM will need to be notified.

YOU MUST RSVP TO [w4gmm@bellsouth.net](mailto:w4gmm@bellsouth.net)

Materials will be purchased according to the number that RSVP. If you do not email W4GMM you will not have an antenna.

Ham Hilliard W4GMM

## HAM RADIO EQUIPMENT FOR SALE

The wife of a deceased former member wanted to liquidate the ham radio assets she had not been able to dispose of for nearly two years. She wanted to sell it in one lot so she did not have to bother with it any longer since she was trying to move. The Delta Club Board of Directors decided to help by buying the equipment and selling the pieces for a fundraiser. Some of the equipment has already been sold, but here is the list. The equipment will be for sale at the meeting Tuesday, March 8<sup>th</sup>. If it is not sold at the meeting, then it will show up on the Delta Club table at FreeFest.

3/2/2011							
#	PRODUCT	MANUFACTURER/MODEL	SERIAL #	COMMENTS	SALE PRICE	MSRP	STATUS
1	Amplifier, VHF	Mirage B-34		144-148 MHz	\$55	\$95	SOLD
2	Antenna switches w/grounding terminal	MFJ		2 ea MFJ-1702B; 1 ea MFJ-1702C w/ 7 position grounding post on heavy plate	\$50	\$85	SOLD
3	Antenna Tuner	MFJ-924 UHF antenna tuner		440MHz	\$50	\$90	
4	Antenna Tuner, mobile	MFJ-945E Mobile tuner		w/ cross needle meter	\$70	\$130	
5	Antenna, HF dipole			unknown band	\$10		
6	Antenna, HF dipole			unknown band	\$10		
7	Antenna, HF Tribander	needs lots of work		old	make offer		
8	Antenna, magmount, CB	K30			\$10		
9	Antenna, magmount, CB			1.5 swr on 27.500 meters ??			with PC 22
10	Antenna, magmount, CB						with PC122XL
11	Antenna, magmount, UHF	Larsen Radiall		BNC connector			with Radius radio
12	Antenna, magmount, UHF	Larsen Radiall		odd connector			with Radius radio

#	PRODUCT	MANUFACTURER/MODEL	SERIAL #	COMMENTS	SALE PRICE	MSRP	STATUS
13	Antenna, magmount, VHF/UHF	Diamond NR73BNMO		large magnetic base NMO mount	\$30	\$58	
14	Antenna, magmount, VHF/UHF			1 coil in rod w/ PL-259 connector	\$15		
15	Antenna, mast mount CB ground plane				\$15		SOLD
16	Antenna, mast mount, VHF/UHF	MFJ-1754		5/8 wave w/ 3 radials	\$20	\$40	
17	Antenna, mobile, 6 meter			Ham stick type	\$15		
18	Antenna, mobile, HF			Ham stick type; unknown band	\$20		
19	Antenna, mobile, VHF/UHF	MFJ-1412		trunk lip mount	\$15	\$30	
20	Antenna, sidemount, VHF/UHF	Diamond Super Gainer SG7900		foldover	\$55	\$120	
21	Antenna, vertical, J-Pole			Home made	\$25		
22	Antenna, vertical, UHF			fiberglass 17ft	\$10		
23	Antenna, vertical, VHF			Super Ringo	\$10		
24	Antenna, Yagi, VHF	Cushcraft A144-11		11 elements	\$25		SOLD
25	Belt, climbing				\$50		DELTA
26	Book	Basic Radio		Copywrite 1942	\$1		
27	Books			Misc ham radio/ Antenna manual, repeater directories,	\$1	each	
28	Coax, 50 ohm	miscellaneous cables			TBA		
29	Coax, 50 ohm, low loss	Cable X-Perts		flexible, 52ft			DELTA
30	Coax, 50 ohm, low loss	Wireman Super 8		p/n CQ106	\$50		SOLD
31	Data transfer switch, 2 port			A/B 25-pin switch	\$2		
32	Dry Box	Flambeau #1408		OD color w/tray	\$9	\$17	SOLD
33	Dry Box	Flambeau #1408		OD color without tray	\$7	\$17	
34	GPS handheld receiver	Garmin eTrex Legend		No data port	\$75	\$150	
35	GPS handheld receiver	DeLorme Earthmate condition unknown		DB-9 serial port, not NMEA-0183 compliant	\$10		
36	Headset, wired	Radio Shack			\$5		

#	PRODUCT	MANUFACTURER/MODEL	SERIAL #	COMMENTS	SALE PRICE	MSRP	STATUS
37	Headset, wireless	Emerson EHP1000 condition unknown			\$10		
38	Key, CW practice			with sounder	\$10		SOLD
39	Key, straight			brass	\$10		SOLD
40	Mast pole, push up			approx 20ft	\$30	\$49 used	
41	Microphone	Astatic G Stand		w/ phone plug	\$25		
42	Power strip	MFJ-1118 Delux High Current DC Outlet		w/ volt meter; banana plugs; w/outboard 12v cigaret lighter outlet	\$45	\$90	
43	Power supply	Astron RS-35A	s/n 9411517	25 amps continuous	\$80	\$170	SOLD
44	Power supply	Astron SL-11A	s/n 9101021	7 amps continuous	\$35	\$74	
45	Power supply	MFJ MightyLite Switching PS MFJ-4125	s/n 325003353	25 amp/ no meters	\$50	\$85	SOLD
46	Radio, CB mobile	Uniden PC22 with mag mount ant	s/n 53001453	FCC ID: AMW9YR8222	\$15		
47	Radio, CB mobile	Uniden PC122XL with mag mount ant	s/n 55001253		\$25		SOLD
48	Radio, FRS	Audiovox Model GMR67001-2	s/n 0026323	TTK0304	CERT		HOLD
49	Radio, FRS	Audiovox Model GMR67001-2	s/n 0026324	TTK0304	CERT		HOLD
50	Radio, FRS	Bellsouth Model 1008	s/n 0117751661		CERT		HOLD
51	Radio, FRS	Bellsouth Model 1008	s/n 0117735026		CERT		HOLD
52	Radio, FRS	Kenwood UBZ-LF14	s/n 00717207	FCC ID: - LF14ALHUBZ	CERT		HOLD
53	Radio, handheld commercial	Motorola Radius P1225LS 459.25MHz	s/n 710FAQ0187	w/ HMN9026 speaker mic & Kenwo 12v battery eliminator KDNB-1225C + HNN9049A NiCad battery	\$50		
54	Radio, Handie-Talkie	Motorola FM Radio PT300, Model P3000-1130AM 47MHz	s/n KJ157G	Type 601505, T1=47.040mc, R1=47.040mc, T2=47.080mc, R2=47.080mc, w/ D-cell battery case attached	\$25		
55	Radio, HF transceiver	Icom IC-718	s/n 0204731	HF 10-160 w/ handheld mic	\$400	\$630	SOLD
56	Radio, HF Transceiver	Yaesu FT-100 (BAD MIC)	s/n 9F041805	All mode HF/VHF/UHF mobile	\$475	\$1200 (D)	SOLD
57	Radio, mobile commercial	Motorola Radius M1225LS 459.25MHz	s/n 164FAW0529	Type BGCUA FCCID: ABZ99FT4044	\$50		

#	PRODUCT	MANUFACTURER/MODEL	SERIAL #	COMMENTS	SALE PRICE	MSRP	STATUS	
58	Radio, mobile commercial	Motorola Radius M1225LS 459.25MHz	s/n 164FAW0541	Type BGCUA FCCID: ABZ99FT4044 dated 11/14/2000	\$50			
59	Radio, Triband handheld	Icom IC-T90A (no charger)	s/n 02538	6/2/440 w/ MFJ-295 speaker mic	\$120	\$320 (D)		
60	Radio, VHF mobile	Icom IC-2100H	s/n 106380	60 watts	\$50	\$140 (D)		
61	Radio, VHF mobile	Icom IC-228A	s/n 01835	25 watts	\$50	\$200 (D)		
62	Radio, VHF/UHF mobile	Icom IC-208H	s/n 503311	50 watts	\$175	\$350		
63	Radio, VHF/UHF mobile	Kenwood TM-G-707 (no mic)		50 watts	\$150	\$350 (D)		
64	Rotor assembly	Model H-III		rotor + wire + controler	\$200			
65	Rotor control	Alliance Dual Speed HD-73.1			\$40			
66	Sound Card to Radio Interface	Buxcomm Rascal GLX Mark V		serial interface for Echolink, packet, PSK31, MT63, PACTOR, + others	\$25	\$80		
67	Speaker	Radio Shack 21-549B		4"x4" 8 ohm/5 watts 300-3000Hz	\$10	\$21	SOLD	
68	Speaker console, auto w/ mobile radio mount	AFS		For transmission hump	\$15			
69	Speaker microphone	MFJ-295Y		4 conductor pin for Yassu and some Icoms	\$10	\$17		
70	SWR/Field strength meter	Radio Shack Model 21-523			\$25			
71	SWR/Field strength meter	Radio Shack Model 21-533			\$25			
72	SWR/Power meter	Daiwa CN-103L		140-525 MHz, cross needle	\$75	\$150		
73	SWR/Power meter	Daiwa CN-410M		3.5-150 MHz 15-150 watts, cross needle	\$50	\$100 (D)	SOLD	
74	Tower, base plate, 3 sections, top, house bracket, winch			hinged; heavy duty; legs 11.5" center to center; should fit Rohn 25	\$250		SOLD	
	NOTES:	(D) denotes discontinued						
		Green color denotes equipment has been sold or allocated						

## DELTA CLUB 146.82 NET PREAMBLE (Rev. 1)

GOOD EVENING: This is \_\_\_\_\_ calling this session of the DELTA CLUB'S TRAFFIC AND INFORMATION NET. This net is affiliated with the ARRL and the NTS and is organized to pass traffic in and out of the mid - south area, in addition to providing information about club events and amateur related topics. This net meets nightly at 8:00 p.m. CT except the second Tuesday of the month on the 146.82 W4BS repeater and may require a pl. tone of 107.2 Hz. All stations will refrain from transmitting without being acknowledged by net control.

All licensed amateurs are encouraged to participate.

Before we begin, is there any station with emergency or priority traffic?  
During this net should any station have emergency or priority traffic please use a double break followed by your call sign.

Is there an NTS Liaison station on frequency?

Is there any station wishing to list formal written traffic?

Does any station have announcements for the net?

(If anyone asks to make an announcement after you finish handling the ones taken here ask them to hold until after the monolog. Eliminate the following sentence unless there are announcements.)

Does any station have any questions or need any fills?

We will now take check-ins. Are there any stations that are mobile, on battery power, or needing to leave early, if so please come now phonetically with your suffix only and please remember to spread them out?

We will now take check-ins phonetically by suffix only if your suffix begins ALPHA through HOTEL please come now and remember to spread them out.

We will now take check-ins phonetically by suffix only if your suffix begins INDIA through KEEBECK please come now and remember to spread them out.

We will now take check-ins phonetically by suffix only if your suffix begins ROMEO through ZULU please come now and remember to spread them out.

The DELTA CLUB meets the second Tuesday of each month at the ELLENDALE CHURCH OF CHRIST 7365 HWY 70 in Bartlett at 7:00 P.M. V. E. Registration begins at 5:30 P.M. with testing starting promptly at 6:00 P.M. A copy of your license and CSCE is required. For V. E. Information contact Bill, WC9S at 603-3448. For membership information contact Bill, WC9S at 603-3448. For training information contact Joe WA4OVO at 683-2701.

Are there any additional announcements?

We will now take late check-ins from anywhere in the alphabet ALPHA through ZULU please come now and spread them out.

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

This is \_\_\_\_\_ now closing this session of the DELTA AMATEUR RADIO CLUB'S Traffic and information net and would like to thank all \_\_\_\_\_ stations for checking in tonight. And would like to ask that everyone to check in tomorrow night at the same time.

GOODNIGHT AND 73: THE NET IS NOW CLOSED. \_\_\_\_\_ CLEAR



# DELTA CLUB ADVERTISEMENTS

See Advertisement Order Form for Instructions.

## DELTA AMATEUR RADIO CLUB

P.O. Box 342768

Memphis, TN 38134-2768

**DARC** Meeting: Second  
Tuesday of every month  
at Ellendale Church of Christ  
7365 Hwy 70, Bartlett TN



W4BS REPEATER SYSTEM  
146.82- 147.36+ (107.2Hz tone)  
224.42- 443.20+ (107.2Hz tone)

# 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

<b>FULL PAGE</b>  <b>\$50.00</b> for 3 Months 7" w X 8 ½" h  <input type="checkbox"/>			<b>HALF PAGE</b>  <b>\$25.00</b> for 3 Months 7" w X 4" h  <input type="checkbox"/>			<b>¼ PAGE</b>  <b>\$15.00</b> for 3 Months 3 ½" w X 4" h  <input type="checkbox"/>			<b>BUSINESS CARD</b>  <b>\$10.00</b> for 3 Months 3 ½" w X 2" h  <input type="checkbox"/>		
Apr. 2011	May 2011	June 2011	July 2011	Aug. 2011	Sept. 2011	Oct. 2011	Nov. 2011	Dec. 2011	Jan. 2012	Feb. 2012	Mar. 2012