



Club Officers/ Dues	2
Repeaters	2
Meeting Minutes	3
Hamfests	4
10-10 International	4
ARRL November SS	5
JOTA - Scouting	6
Build is Better	7 - 8



**The President's Corner: Van N4ERM**

**Hurricane Matthew – Dodging the Bullet!!**

How fortunate that most of us dodged the Hurricane Matthew bullet? Some lost power for awhile, others lost shingles or trees. School was cancelled for a week. CFARS had to cancel our VE Test Session. While most of us made it through relatively unscathed, did not. Please check your heart, be grateful, and do what you can for those still suffering.

**Boy Scout Jamboree on the Air (JOTA)**

CFARS showed up in force to support this year's Jamboree On The Air (JOTA). We manned four stations (two HF-SSB and one each 2 Meter and PSK31). All Scouts and their leaders who wanted/needed to were able to get on the air and communicate with other Scouts or Hams. A separate table was set up so Scouts could write, and then send their name in Morse code. Special thanks to Bill "Zero" Lasher N4WTL for conducting the Radio Merit Badge training.

CFARS Members Who Participated in JOTA 2016

**Bonnie KF4LVF** (Merit Badge Counselor), **Bill N4WTL** (Radio MB Instructor), **Fred N4ZCG**, **Chuck KJ4RV**, **Bob WA4WHV**, **Van N4ERM**, **Bill KU4W**, **George KM4ODS**, **Ferguson KK4MCY**, **Van KG6HYJ**, **Steve KA4CZL**, **Ben KM4ODT** and **Mike K0RRP**.

**Annual "Show and Tell" Event**

CFARS held its annual "Show and Tell" event at the October monthly meeting. Lots of interesting ideas, kits and homebrew "stuff." Some asked for follow-on information. See the "Build is Better than Buy" article elsewhere in this issue.

**Nominations are Now Open!**

Elections of the new 2017 CFARS Officers will take place at the next (November) CFARS Meeting on Monday, 21 November in room 219. The flock gathers ~1900 hours. Meeting starts promptly at 1930 hours.

**We need a program for November's meeting. Any ideas/requests?**

**Benson JARSFest**

Sunday, 20 November, 0800-1500 hours. CFARS has 2 inside tables. Bring your stuff to sell!

**UPCOMING STUFF**

Open Nominations for 2017 CFARS officers

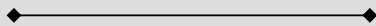
- 5 - 7 November – ARRL CW Sweepstakes
- 12 - 13 November – Ten-Ten Fall Digital Contest
- 16 November – NAQCC CW Sprint
- 20 November – JARSFest in Benson. CFARS has 2 tables inside. Bring your stuff to sell!
- 21 November – CFARS Monthly Meeting – PROGRAM: TBA. CFARS 2017 Officer Elections

**See you there!**

**73 de Van N4ERM**

CFARS Officers

President ..... Van, N4ERM n4erm@arrl.net  
 Vice Pres..... Van, KJ6HYJ  
 Sec./Treas..... Chuck, KJ4RV kj4rv@arrl.net  
 Recorder.....Bill, KJ4OFD kj4ofd@arrl.net  
 Newsletter Editor...Mike KN4XP kn4xp@yahoo.com



Coordinators

Membership.....David, KR4OE kr4oe@nc.rr.com  
 Net Manager.....Chuck, KJ4RV kj4rv@arrl.net  
 Emergency .....VACANT  
 Information.....Kelly, N4EWG n4ewg@nc.rr.com  
 Repeaters.....Bill, KU4W kc4swy@embarqmail.com  
 Sky Warn.....Jim, KI4YRH ki4yrh@aol.com  
 Field Day.....Bob, WA4WHV wa4whv@aol.com  
 Health & Welfare...Mya, mya@embarqmail.com  
 VEC.. .....Pat, N4UGH n4ughpat@aol.com  
 Swapfest .....David, KR4OE kr4oe@nc.rr.com  
 ARRL Bulletins...Irv, K3IRV irv47mc@gmail.com  
 Webmaster.....Reggie KK4NJC, info@neondawg.com

**Club Repeaters**

(PL 100 Hz)

**K4MN**  
 2 m 146.910/146.310  
 70 cm 444.400/449.400

**K4MN**  
 6 m 53.810/52.810

**WA4FLR**  
 2 m 147.330/147.930

**Club Membership**

**Dues**

CFARS club membership dues are due and payable in January each year. CFARS does offer you the option to pay your dues no later than March. Yearly dues are \$15.00. CFARS offers a lifetime membership option for \$150.00. If your dues are not paid by March you will not be a voting member of the club. The right to vote on issues for the club comes with club membership.



The **CFARS NEWS** is published monthly by the Cape Fear Amateur Radio Society, PO Box 36106, Fayetteville, NC 28303

Cfars\_newsletter@yahoo.com



**THE CFARS NEWS IS NOW PUBLISHED AS A PDF DOCUMENT OBTAINABLE ON THE CLUB'S WEB SITE AT [WWW.CFARSN.C.ORG/NEWS.PHP](http://WWW.CFARSN.C.ORG/NEWS.PHP)**

CFARS Club Patches are available for purchase. Contact **Chuck KJ4RV** for your patch today!



### October 2016 Club Meeting Minutes

On October 19th the Cape Fear Amateur Radio Society meeting was called to order at 7:30 pm by **Van N4ERM**. The meeting was held in Room 219 of the Science Building at Methodist University. **Van N4ERM** led the club in the Pledge of Allegiance. **Elton W4VGW** led the invocation. The introductions were made in the normal CFARS manner.

A motion was made by **Kelly N4EWG**, seconded by **George KM4ODS**, to approve the minutes of the September meeting. By vote the motion carried.



#### **COMMITTEE REPORTS:**

**Treasurer:** **Chuck KJ4RV** gave the treasurer's report. We collected some money. We are still solvent.

**Repeater:** **Bill KU4W** said the repeaters that were up and are "krowing" well.

**Net Manager:** **Chuck KJ4RV** gave the Net Manager's report check-ins are up for September. Please enjoy the weather but remember to check into the nets. The repeaters are our, use them.

**Membership:** **David KR4OE** said we now have 101 paid members on the roster.

**Newsletter:** **Mike KN4XP** our newsletter editor, is looking for articles from the club to put into the newsletter. Send your articles to him at [cfars\\_newsletter@yahoo.com](mailto:cfars_newsletter@yahoo.com)

**Health & Welfare:** No report.

**Swapfest:** No report.

**VE Testing:** The final 2016 VE Testing session scheduled for October 8th was canceled due to Hurricane Matthew.

**Public Relations:** No report.

**Old Business:** The club is currently good with net controllers on both the evening net and the PT nets. If you would like to become one of the net controls, let **Chuck KJ4RV** or **Kelly N4EWG** know. **George KM4ODS** is taking the place of **Dan KW4BG** on the Wednesday morning *Possum Trot Net* while Dan is under the weather. The Boy Scout Jamboree on the Air (JOTA) was held October 15 (Saturday) at the Haymount Methodist church on Fort Bragg Road. We had 14 members turn up for the event, including radios, antennae and towers. **Bill N4WTL** taught the class for the Scouts, **Bonnie KF4LVF** helped with the Merit Badges. There were about 75 Scouts at the event, about 35 sat at the microphone, and 5 got their Merit Badge.

**New Business:** Hurricane Matthew paid us a visit, several of the shelters in the area were opened, but CFARS did not get the call to operate; reason being: All Else did not fail. **Travis KM4JJJ** is settling in in Korea and expects to be able to get on the air in the near future. He sends his regards, and hopes to get his Extra license soon. We will be nominating members for officer spots next month. **Kelly N4EWG** and **Bonnie KF4LVF** will be twisting arms for volunteers.

**Program:** The program for the evening was our Annual Show and Tell. Van N4ERM and Chuck KJ4RV brought in several kits they had made. Kind of makes one want to melt some solder.

(Continued on Page 4)

*(Continued from Page 3)*

**Door Prize Drawing:** David KR4OE held the door prize drawing. George KM4ODS won a flashlight donated by Irv K3IRV. Chuck KJ4RV and Dale AK4YS won a Homeland Security booklet donated by Ben KM4ODT. Bob WA4WHV won a backpack.

A motion was made by Kelly N4EWG, seconded by Bonnie KF4LVF, to adjourn the meeting. By vote the motion carried. The meeting was adjourned at 8:40 p.m. We had 21 members present.



*Happy Thanksgiving*



*Upcoming Hamfests*

**November 12, 2016**  
Conway, South Carolina  
[www.w4gs.org](http://www.w4gs.org)

**November 20, 2016**  
JARSFest 2016  
Benson, North Carolina  
[www.jars.net](http://www.jars.net)



*Upcoming 10-X Contests*

November 12-13      Fall Digital QSO Party

January 1, 2017      Ten-Ten Anniversary

The Cape Fear Amateur Radio Society News is the official newsletter of the Cape Fear Amateur Radio Society. It is published monthly as a PDF. The newsletter is emailed monthly when the latest version is available. Please provide your email address to the Newsletter Editor. The CFARS News welcomes articles and other contributions. Please email submissions to the newsletter to [cfars\\_newsletter@yahoo.com](mailto:cfars_newsletter@yahoo.com). The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the last Friday of the preceding month. The views expressed in the CFARS News are those of the individual authors and do not necessarily reflect the views of the Editor or CFARS.



CFARS Eat'n Meetin aka "Christmas Party"  
Western Sizzlin  
7735 Raeford Road  
Fayetteville, NC  
December 14, 2016 @ 7pm



## *ARRL November Sweepstakes*



CW: 5-7 November (logs due Nov 22)  
Phone: 19-21 November (logs due Dec 6)  
Contest begins at 2100 UTC on Saturday afternoon and ends at 0300  
UTC on Sunday

The ARRL's annual November Sweepstakes. Sweepstakes has been in operation since 1930. Sweepstakes paused during World War II but came back stronger than ever. It's a competition between North American stations – individuals, teams, and clubs. For many US and Canadian hams, it is their first contest operation and remains a regular event on their yearly schedule for a lifetime. The contest is somewhat unique in that each station may only be contacted once and the number of different recognized locations ("multipliers") is limited to the ARRL and RAC sections.

Stations that work all of the sections is called a "Clean Sweep." A "Cleans SWEEP" entitles the station to obtain an ARRL Clean Sweep coffee mug. Don't forget is split into four sections: Ontario North (ONN), Ontario East (ONE), Ontario South (ONS), and Greater Toronto Area (GTA). This means a Clean Sweep requires 83 sections!

If you log on the computer be sure your contest logging software is up to date. Paper logs and summary sheets are available on the Sweepstakes web page. The preferred method of log submission is by email.

Operation will be held on the following bands 10m, 15m, 20m, 40m, 80m and 160m. No WARC bands are allowed in the Sweepstakes. Although the Sweepstakes is held over a thirty (30) hour period, you may only operate twenty-four (24) hours. Off times must be at least thirty (30) consecutive minutes. Listening times count as operating time.

The November Sweepstakes consists of eight categories: A – Low Power, B – High Power, Q – QRP, M – Multioperator (High or Low Power), S – School Club, U – Unlimited (High or Low Power). If you are operating by yourself without an amplifier, then you are an "A" category station. If you operate by yourself with an amplifier then you are a "B" if you use an amplifier. If you use information from a spotting network to locate stations to work, you are a U category station and can submit your log as High or Low Power.

The contest exchange has five (5) parts: Your Call Sign, Serial - the number of the contact in sequential order, Precedence - your category (A, B, M, Q, S, or U), Check – the last two digits of the year in which you were licensed and your ARRL Section.

The ARRL makes the PINS (Participation In November Sweepstakes) program for 2016. Anyone who completes 100 contacts on CW or Phone during Sweepstakes is eligible to purchase a Participation Pin. Pins are based on claimed scores. The pin includes the mode of operation and year on them. Pins cost \$8 each including postage and handling. Pins will be shipped after all logs are verified. To order your pins, attach a note to the front of your summary sheet indicating the number of pins ordered along with your check. If you enter electronically, send a copy of your summary sheet with a note and your check attached to Sweepstakes PINS, ARRL Contest Branch, 225 Main St, Newington, CT 06111.


Clean Sweep Mugs Commemorate working your "clean sweep" by purchasing your 2016 November Sweepstakes mug. To earn your mug, work all 83 ARRL/RAC sections during the CW or Phone November Sweepstakes. Mug awards are based on claimed scores. Mugs \$15 each including postage and handling. Your mug will be shipped after all logs and mug orders have been processed and verified. Supplies are limited.

*Jamboree On The Air 2016*



## Build is Better Than Buy By "el Cheapo" N4ERM

Some follow-on to our annual "Show and Tell" meeting. All these things came from **banggood.com**. And if you need a little help, it's just a 2-meter or phone call away. **Now, go melt some solder!**



Home > Electronics > Arduino SCM & 3D Printer Acc > Arduino Compatible Kits & DIY Kits

### ICL7107 Digital Ammeter DIY Kit Electronic Learning Kit

★★★★★ 4.8 (25 Reviews) | Ask a question | Product ID: 977902

In stock, usually dispatched in 1 business day

Price: **US\$ ~ 4.62**

Ship From: **CN Warehouse**

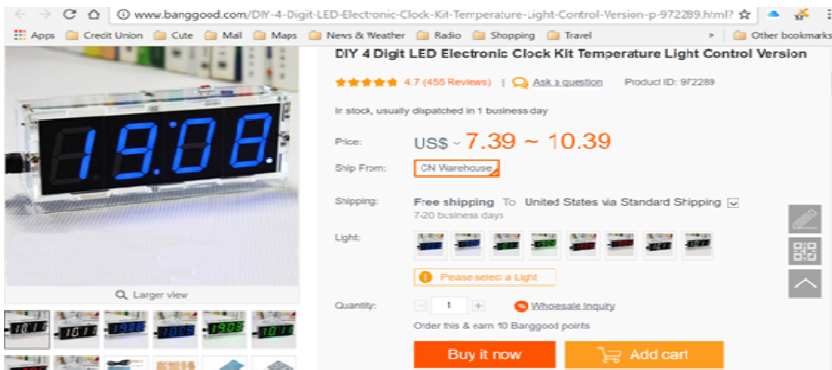
Shipping: **Free shipping** to United States via Standard Shipping 7-20 business days

Quantity:  + Wholesale Inquiry

Order this & earn 4 Banggood points

**Buy it now** **Add cart**

This ammeter is a pretty easy kit. Useful, too!



www.banggood.com/DIY-4-Digit-LED-Electronic-Clock-Kit-Temperature-Light-Control-Version-p-972289.html?\*

### DIY 4 Digit LED Electronic Clock Kit Temperature Light Control Version

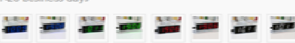
★★★★★ 4.7 (455 Reviews) | Ask a question | Product ID: 972289

In stock, usually dispatched in 1 business day

Price: **US\$ ~ 7.39 ~ 10.39**

Ship From: **CN Warehouse**

Shipping: **Free shipping** to United States via Standard Shipping 7-20 business days

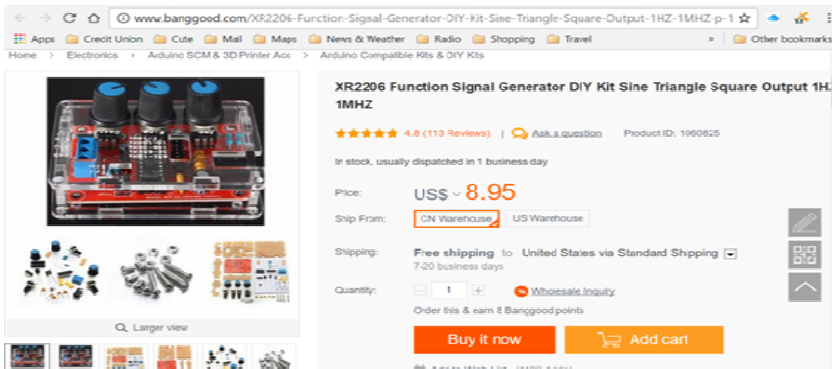
Light: 

Quantity:  + Wholesale Inquiry

Order this & earn 10 Banggood points

**Buy it now** **Add cart**

This neat clock comes with its own plexiglass case so you can see the great soldering job you did. Clock tells time, day, date, and temperature. Has an alarm function too. Automatically dims in low light. Pick your own color!



www.banggood.com/XR2206-Function-Signal-Generator-DIY-Kit-Sine-Triangle-Square-Output-1HZ-1MHZ-p-1069020

### XR2206 Function Signal Generator DIY Kit Sine Triangle Square Output 1Hz-1MHz

★★★★★ 4.8 (113 Reviews) | Ask a question | Product ID: 1069020

In stock, usually dispatched in 1 business day

Price: **US\$ ~ 8.95**

Ship From: **CN Warehouse** **US Warehouse**

Shipping: **Free shipping** to United States via Standard Shipping 7-20 business days

Quantity:  + Wholesale Inquiry

Order this & earn 8 Banggood points

**Buy it now** **Add cart**

Neat little kit is a signal generator. I haven't used it yet, but it seems to work fine.



www.banggood.com/DIY-Frequency-Tester-1Hz-50MHz-Crystal-Counter-Meter-With-Housing-Kit-p-1063307.1

### DIY Frequency Tester 1Hz-50MHz Crystal Counter Meter With Housing Kit

★★★★★ 4.7 (63 Reviews) | Ask a question | Product ID: 1063307

In stock, usually dispatched in 1 business day

Price: **US\$ ~ 10.19**

Ship From: **CN Warehouse**

Shipping: **Free shipping** to United States via Standard Shipping 7-20 business days

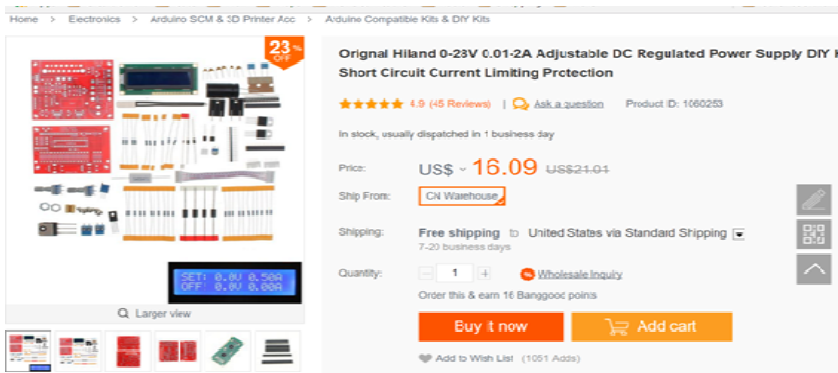
Quantity:  + Wholesale Inquiry

Order this & earn 10 Banggood points

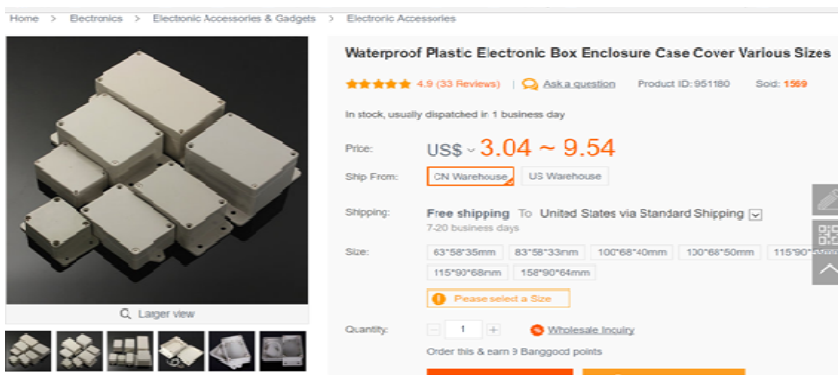
**Buy it now** **Add cart**

Add to Wish List (764 Acts)

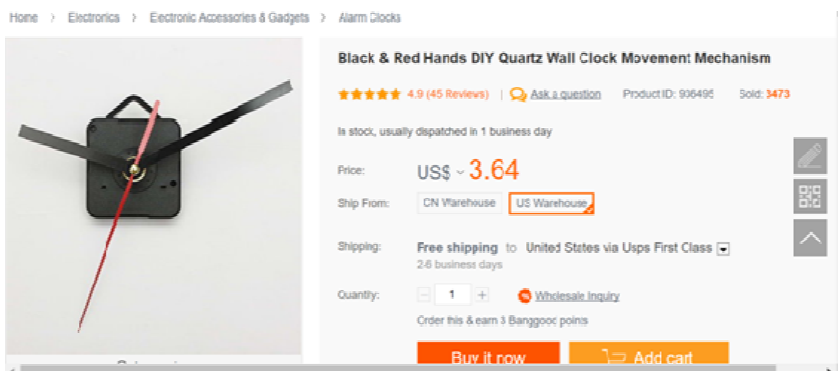
I had several crystals (removed from equipment, of course!) whose prime frequency I needed to verify. This worked great. Move some jumpers and you get a frequency counter as well. !



Haven't built this kit yet, but it looks great. Let me know how well it works for you.



You'll want to have some project boxes at hand. These work nicely. Another source I use *is All Electronics* out of California. Lots of good stuff. Some of it cheap! Very fast service.



Analog clock. Runs for a year on one AA battery. Drill one hole, mount the clock, and you're good to go!



This is NOT a kit. Comes ready to go - - just plug in a 9V battery and start measuring components like diodes, transistors, resistors, capacitors, coils, etc. Amazing piece of gear.