

## A Voltage Regulator to run your HT from a Car Battery

Paul Honore' W6IAM

Ever been caught in a situation when you needed your HT but the battery was low and no backup? Well, as long as you can operate from the immediate vicinity of your car, you have an unlimited supply of power and, with a small mag-mount whip antenna using the car top as a ground-plane, you can achieve up to 7.5 watts of effective radiated power from your HT. Nice in an emergency!



Most HT manufacturers offer an adapter/regulator that plugs into your car's cigarette lighter. Trouble is, many cars weren't designed to accept plug in-adapters. No problem, you can build a simple regulator that can be mounted wherever you choose. In my case, since we're a no smoking family, in place of the cigarette lighter and ashtray that pop out of the dashboard with a touch of a finger, making for a neat, invisible installation.

The circuit consists of a three-terminal regulator, LM317 (Radio Shack part 276-1778) and a handful of external parts. It cost about ten dollars and took less time to assemble than it took to remove the ashtray from the car and re-install it.

The LM317 can dissipate 15 Watts of power but it needs a small heat sink if you plan to transmit for any length of time. The basic schematic is supplied on the data sheet for the regulator. I didn't have either a 240 ohm resistor or a 5K potentiometer so I substituted two 120 ohm resistors in series and found a 10K potentiometer works just fine. My Yaesu FT-270 HT likes to run at about 8 volts so That's what I set the regulator to deliver. Be sure to include an isolation diode at the output to prevent any circuits in your car from trying to run on your HT battery.

*Continued on Page 3...*

## Get Your License Here!

Classes slated for  
**October 6, 13, 20.**

Call **Chuck** N7BV 452-4672 for  
information or  
see the clubs website  
at [olyham.net](http://olyham.net).



Chuck N7BV  
ARRL VE-L



Available from  
[www.lulu.com/spotlight/HonoreW6IAM](http://www.lulu.com/spotlight/HonoreW6IAM)

Basic Electronic Circuits,  
Part-1 Analog Circuits

Basic Electronic Circuits,  
Part-2 Digital Circuits

Basic Electronic Circuits,  
Part-3 The Practical Radio Shack

By CCARC member, Paul Honore'  
W6IAM These books are a non-  
threatening Introduction to the technical  
aspects of Ham radio

## For Sale:



IC-746 (Not PRO)  
Icom power supply for  
IC-746

Heil Microphone for IC-746

CT-17 interface for IC-746

MFJ Differential T Tuner

G5RV antenna

Vibrofex Square Racer Deluxe key

50-100 feet Ladder line (never used)

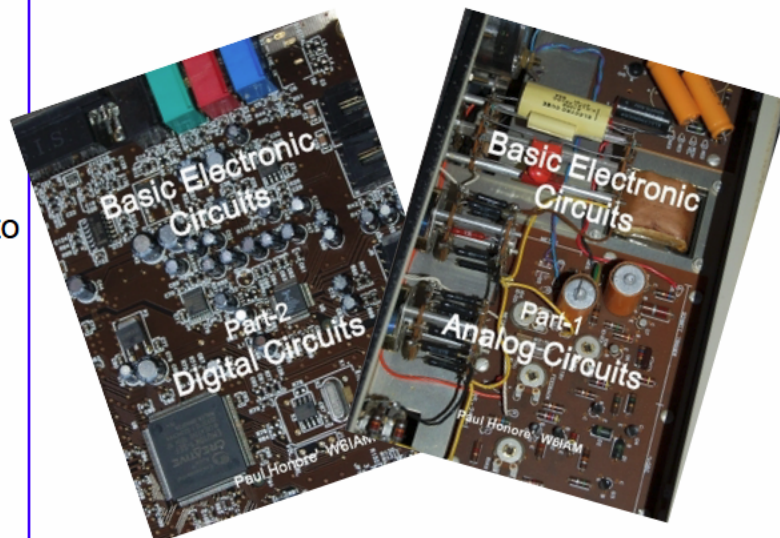
2 Meter J-Pole Antenna (never used)

MM3 Morse Code Machine with manual

Various odds and ends

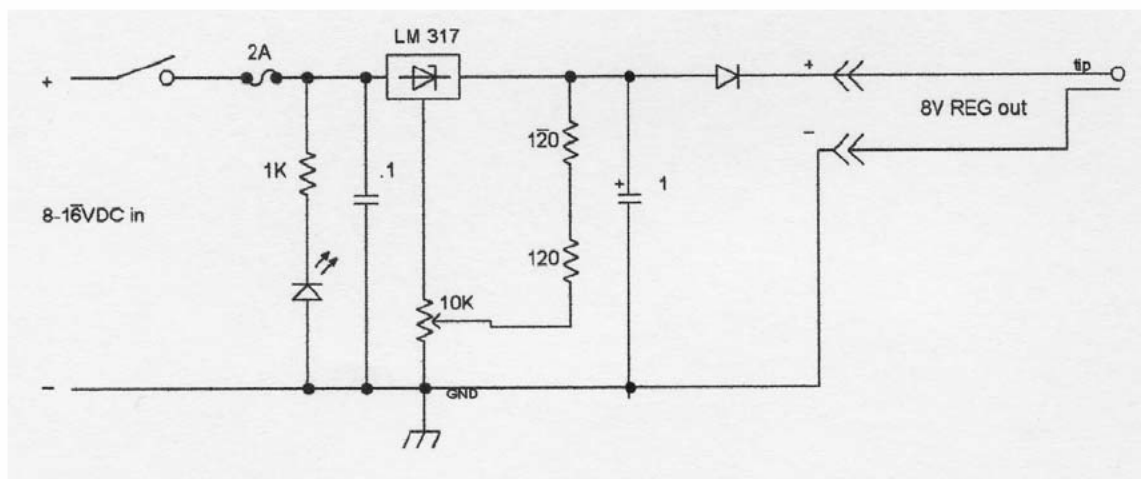
Would like \$1200 for everything. Would like to  
sell all as a unit rather than piecemeal.

Contact: Scott Clausen, NF7Y  
360-683-8771 [scottclausen@mac.com](mailto:scottclausen@mac.com)



**A Voltage Regulator to run your HT from a Car Battery (Continued)**

Paul Honore' W6IAM



The whole thing can be built in a 2 inch cube that will fit nicely into the ashtray space. I used a connector from my junk box for the HT power cable. It's housed in the hole that used to be occupied by the cigarette lighter. At the HT end of the cable, is a 4mm power plug (Radio Shack 246-1778) This is probably standard but be sure to check the size on your HT. All standard size power plugs are available from .Radio Shack. Here's the circuit, assembled on an aluminum angle bracket, ready for installation into the ash tray compartment.

There you have it. With a few parts and a couple of hours work, you can be prepared for any mobile communications emergency and you don't have to worry about running down your HT battery with overuse.

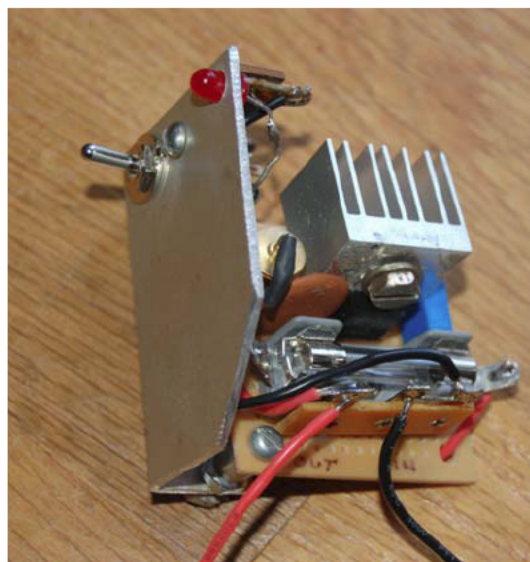
**2 METER NETS****CCARC :**

Every Thursday 7:00 pm on the W7FEL Repeater.

**ARES/RACES:**

Every Tuesday except 1st Tuesday of the month at 7:00 pm on W7FEL Repeater.

W7FEL Repeater: 146.76 MHz., offset down 600 KHz. with a tone of 100 Hz.





## CLALLAM COUNTY AMATEUR RADIO CLUB

## GENERAL MEMBERSHIP MEETING

WILL BE TRANSMITTED UNDER SEPARATE COVER

**2nd Annual  
Clark County Ham Fair****August 25th, 2012****9:00 AM - 4:30 PM**

Whether you are looking to sell or buy, this is the place to be

**Door Prizes, Raffle, Food,  
Consignment Table, Short Seminars,  
and Much Much More****Entry Fees:**

\*Pre-Registration: \$6.00  
 At The Door: \$8.00  
 Tables: \$15.00  
 \*\*RV Camping (Fri - Sat): \$20.00

\* Pre-Registration ends August 4, 2012

\*\* This is a per-night, per unit fee (dry camping only)



September 24, 2011  
 Photo by: John Allen N9YQ

**Location:**

**Clark County Square Dance Center  
 10713 NE 117th Avenue  
 Vancouver, Washington**

**Talk-In Frequencies**

147.240 MHz (No Tone) 443.925 PL 94.8  
 146.520 simplex

For more information go to [www.w7aia.org](http://www.w7aia.org)  
 or email: [clarkcountyhamfair@w7aia.org](mailto:clarkcountyhamfair@w7aia.org)

Sponsored By  
 Clark County Amateur Radio Club



For sale; 19" rack-mount  
 equipment cabinet with  
 hinged back door. 6'  
 high, 18" deep. Very  
 heavy gage steel. \$100.  
 firm

Paul Honore'  
[w6iam@olympen.com](mailto:w6iam@olympen.com)



**YL LUNCHEON**  
**August 10**  
**Tarcisios**  
**Sequim**  
**Time: 11:30 a.m.**

**Find us on the web at**  
**[www.olyham.com](http://www.olyham.com)**  
**Check it out. Lots of**  
**information about ham radio**  
**in Clallam County!**

### **2012 YL Luncheons:**

Reservations 11:30 2nd Friday of each month

August - Tarcisios - 609 W. Washington - Sequim  
 September - Sergios - 205 E. 8th - Port Angeles  
 October - Fortune Star - 145 E. Washington - Sequim  
 November - Chestnut Cottage - 929 E. Front - Port Angeles  
 December - Cedars at Dungeness 1965 Woodcock. - Sequim

Description	Time/Date	Location	Contact
Clallam County ARES/RACES meeting	7 pm, first Tue of every month	Clallam County Courthouse EOC, 223 E. 4 <sup>th</sup> St., PA	Al Dawson, W7YLV 360-457-0752
Clallam County Amateur Radio Club general meeting	7 pm, second Wed of every month	Port Angeles Fire Station 5 <sup>th</sup> & Laurel Streets	Chuck Jones, N7BV 360-452-4672
Clallam County Amateur Radio Club social breakfast	8 am, first Sat of every month	Joshua's Restaurant Hwy. 101 & Del Guzzi Drive	Chuck Jones, N7BV 360-452-4672
CCARC Board Meeting	TBA	Smugglers Landing 115 E. Railroad Ave	Chuck Jones, N7BV 360-452-4672
Clallam Country Amateur Radio Club YL social lunch	11:30 am 2nd Fri of every month	See Above Schedule	Chuck Jones, N7BV 360-452-4672

**HAPPY BIRTHDAY!**

Al Fisk KC7TFK      Nola Judd KD7ZNV  
 Kirk Lang KD7CFD      Casey Hicks KJ7XE  
 Elaine Lenonx KF7VPB      Donald Hoffeld WA7JTW  
 Charles Stroehner WA7EBH      JoAnn Tilton AD7TV YL  
 Richard Peterson KE7Z      Lee Diemer KE7TTY  
 Rik Scairpon WX7RIK      Stan Cowen KI6HCW

## AMATEUR RADIO IN CHINA

Today, there are fewer than 20,000 licensed radio amateur operators in mainland China. Although the political and commercial atmosphere has changed, the fifty-year lapse in amateur radio activity is difficult to overcome. Many influential people in China are encouraging the development of amateur radio due to emergency communication needs and commercial development in electronics. These are leading to more applicants successfully achieving a license. There are two important radio organizations in China.

The older Chinese Radio Sports Association (CRSA) oversaw the operation of amateur radio from 1958 until 2009. A new organization, Radio Association of China (RAC) was born in 2009 and now oversees the expansion of amateur radio. The CRSA operated the first club station, BY1PK beginning in 1958.

The CRSA is one of 29 member societies in IARU Region 3, which includes ARRL and the United Kingdom as well due to possessions in Oceania. Region 3 includes Asia and Oceania. Radio organizations in China are concentrating their energy on improving the licensing system so that newcomers, all over the country, are able to seek their ham license. The next major emphasis is linking traditional amateur radio, i.e. DX, contesting, and CW with contemporary internet, networking, and miniature radio design.

Ham Radio in China. (2012, August), The Oscillator;  
Oregon Tualatin Valley Amateur Radio Club,  
[www.OTVARC.org](http://www.OTVARC.org).

## News in Brief

### Vanity Call Sign Fee to Increase

On August 3, the FCC announced that the cost for an Amateur Radio Vanity Call Sign would increase.... Start saving your money now because the increase is \$0.80 to make it an even \$15. This increase is set to be effective September 4, 2012. No word on how much was spent in pursuit of the eighty-cent increase.

### HAM Elected Prime Minister of Serbia

Former Serbian Internal Affairs Minister Ivica Dačić, YU1YU, was elected as the Country's newest Prime Minister on July 27, the sky really is the limit, Becky have you started your 2012 Campaign? Will this bring about another political party the HAM's? Although some say we have plenty of pork in Washington already.

### FCC Denies Petition Seeking to Designate Emergency Calling Frequency

Saying that it believes that the Amateur Service "allows flexibility to provide emergency communications in a way that takes into account channel availability and other local conditions," the FCC denied a Petition for Rule-making to create a nationwide emergency calling frequency. The Petition -- filed by Bryan Boyle, WB0YLE, of Morrisville, Pennsylvania, and Jim Dixon, WB6NIL, of Alhambra, California -- called upon the FCC to designate 146.550 MHz as a "non-exclusive nationwide Amateur Radio Service emergency communications channel using FM wideband modulation."

## Repeater Finder

I have found a great App for either iPhones or Android called RFinder. It will locate repeaters anywhere. It is the best repeater finder and directory I have ever found. It costs \$9.99 but is certainly worth it.

You can find information about it at <http://www.rfinder.net>

Mel—N7GCO via WWDXC

PS I have no connection with the company.

## CLALLAM COUNTY AMATEUR RADIO CLUB REPORTS

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### FROM OUR TREASURER:

As of July 31, 2012:

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| First Federal Savings & Loan of Port Angeles Balance: | \$ 9,709.55        |
| Outstanding Checks:                                   | \$0.00             |
| <b>Checkbook Balance:</b>                             | <b>\$ 9,709.55</b> |

Thanks,

*Ernie Griffith*  
W7EWG  
CCARC Treasurer

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Feedback, Comments or Article submissions are appreciated to

CCARCQTC@Yahoo.com

**Thank you for your Contributions, Ed**



Find a wealth of information and links on the club website:  
[OlyHam.net](http://www.OlyHam.net)

Thanks to Website Administrator Rik, W7RIK!

## COMING EVENTS

**August 25, 2012**  
Clark County HAM Fair  
Vancouver, Washington, USA

<http://www.W7AIA.org>

## CLUB OFFICERS For 2012

**President:** *Becky Winters, W7RJW*

**Vice President:** *Al Popowski, W7ALP*

**Secretary:** *Mike Rice, KD0NND*

**Treasurer:** *Ernie Griffith, W7EWG*

**Board Member (Chairman):** *Chuck Jones, N7BV*

**Board Member:** *Dennis Tilton, AD7TV*

**Board Member:** *Jeramey Johnson, KF7PMC*