



Clallam County Amateur Radio Club

QTC

April 2016

SPURIOUS EMISSIONS from AD7TV

In the November 2015 issue of QST, there was an article about handheld transceiver testing. The results were interesting, especially if you own one of the low cost Chinese HT's. This coming Wednesday you will have a chance to find out just how your HT fits into the scheme of things.

We will set up a spectrum analyzer and power meter so your HT can be tested for spurious emissions, short term stability and power output. A video camera and monitor will be provided so we can all see what's happening. Be sure to bring your handheld to the meeting. This may also be an opportunity to address questions about operating and programming your particular HT with one of the 'experts'.

Following the initial technical introduction and while individual testing is going on, we will be showing an interesting Dxpedition video provided by Chuck N7BV.

So charge your batteries, put on your club shirt and get ready for a fun and educational evening for all.

Our participation in fireworks sales helps fund Club activities and keep our repeaters in good operation. Thanks to all of you who help each year! Sheldon N7XEI received an email from TNT Fireworks:

Subject: Great News on
Fireworks Ban Bills!

Thank you! Thank you! Thank you!

The Washington State Legislature has finished its session and the two fireworks bills are officially DEAD! If you helped by emailing, phone calling, or coming to Olympia to testify at the hearings, we want to thank you so very much for standing up for freedom and personal responsibility!

We appreciate you! Have a GREAT, safe and responsible, 4th of July!

TNT FIREWORKS

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TREASURER REPORT for March 2016

Checking Account	3,712.19
Savings Account	3,026.87
CD - Sound Bank	1,013.36
Total	7,752.42

Chuck Jones N7BV
CC-ARC Treasurer 2016

CCARC Board Meeting
2016-03-08

1230 Call to Order

Discussed organization of Home Show and gear needed. Business cards completed.

Kids Fest update: ARES contacts made, expect 12-14 students for the ham class.

Few showed for the Mike and Key show.

Post Office keys went to KF7VZZ and N7BV

Discussed possible class in Forks, with testing session. Also, Sequim and other locations.

N7XEI to investigate FD adverts on KONP. Other forms of getting the word out were discussed

Bank account information is pretty much up to date. Will use QuickBooks.

AD7TV to review listing of committees for the website

Discussed physical access to repeaters in an emergency.

1350 adjourned

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CCARC General Meeting
2016-03-09

1900 Call to Order, Pledge of Allegiance and Introductions

Minutes from 2016-02 read and accepted as printed in QTC

Presentations:

KD7WBM, Intro to ICS for ARES

AD7TV, Batteries for ham radio

Get Your License Here!

Next Exam
April 16th 1300
at the Fire Station
5th and Laurel
Port Angeles

Chuck N7BV
ARRL VEC

2 METER NETS
on the W7FEL Repeater:

CCARC :
Every Thursday 7:00 pm

ARES/RACES:
Every Tuesday at 7:00 pm
except 1st Tuesday of the month

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

FOR SALE

Your gently used
amateur equipment
could be listed here

Right?

Contact us!

HAM RADIO ANTENNAS and LIGHTNING

By Doug Welcker (WB4KGY)

By looking at my callsign you probably have already guessed I lived in the southeast part of the country, more specifically along the southeast Florida coast. This area is known for lots of interesting things not the least of which are: you're not in the south anymore as they speak with a New York or New Jersey accents, it's hot eleven months of the year, there are few real Floridians, and it always rains at four in the afternoon.

The rain is what leads to the problems for us amateur radio operators. It comes with lightning at no extra charge (pun intended). Some say it's an advantage. If you want the get that great new SDR radio you have been drooling over in the pages of QST, just leave your antenna and AC power connected for a few days (it only takes one day in summer) and wa-la your old radio is toast.



Google Images). The cone sleeves on the bottom portion provided good

Lightning is why this is all that is left of the AEA IsoPole antenna. Many of you may not be familiar with the IsoPole antenna but it is quite a good omni-directional antenna for 144, 220, and 440 (view the antenna at

decoupling from the transmission line, it



had reasonable gain, and a uniform radiation pattern. FYI: At that time AEA was based out of Seattle.

From the picture you can see what was left of this antenna. It was on top of a one-hundred & eighty foot CATV tower and was used as a backbone link for packet radio. The lightning exploded the ceramic insulator and blew the coax out the bottom of the PL-259. Two interesting after the fact notes are, 1) The radio, a Midland 13-509 was not damaged and 2) The packet link still worked over the thirty-five mile path when there was enhanced propagation with only three eights of a inch of center conductor exposed acting as the antenna.



You're probably wondering why the radio wasn't damaged. Well, a couple of things. The transmission line was well

over two-hundred feet, which results in a lot of inductance, and the line was well grounded at the entrance to the radio building. Still, there is an element of luck involved when you're dealing with the unpredictability of lightning. Good luck with that new SDR radio.

2015 YL Luncheons:

Reservations 11:30 2nd Friday of each month

April - Oak Table - 292 W. Bell - Sequim
 May - Downriggers - 115 E. Railroad Ave. - Port Angeles
 June - Black Bear Diner - 1471 E. Washington - Sequim
 July - Gordys Pasta and Pizza - 1123 E. First St. - PA
 August - Mariners - 609 W. Washington - Sequim
 September - Asian Buffet - PA
 October - Paradise - 703 No. Sequim Ave - Sequim
 November - Chestnut Cottage - 929 E. Front - Port Angeles
 December - Cedars at Dungeness - 1965 Woodcock Rd. - Sequim

NEXT YL Luncheon

March
 Fiesta Jalisco
 636 E. Front St.
 Port Angeles

Find us on the web at
www.olyham.net
 Check it out.
 Lots of information about
 ham radio in
 Clallam County!

Clallam County ARES/RACES meeting,

7 pm, 1st Tue of every month, 223 E. 4th St., PA
 Clallam County Courthouse EOC
 Bill Carter 360-681-4375

Clallam County Amateur Radio Club general meeting

7 pm, 2d Wed of every month
 Port Angeles Fire Station
 5th and Laurel, PA
 Chuck Jones N7BV 360-452-4672

Clallam County Amateur Radio Club social breakfast

8 am, 1st Sat of every month
 Joshua's Restaurant
 Hwy. 101 & Del Guzzi Dr.
 Chuck Jones N7BV 360-452-4672

Clallam Country Amateur Radio Club YL social lunch

11:45 am 2d Fri of every month
 Rotates - announced on Thursday night Net (See QTC Newsletter)

CLUB OFFICERS For 2016

President: Dennis Tilton AD7TV 360-452-1217 ad7tv@wavecable.com
 Vice President: Bill Todd, N7MFB (360) 477-5427 wptodd@wavecable.com
 Secretary: Mike Rice KF7VZZ (360) 912-2395 kf7vzz@gmail.com
 Treasurer: Chuck Jones N7BV 360-452-4672 n7bv@yahoo.com
 Board Member (Chairman): Sheldon Koehler, N7XEI (360) 457-3029
 Board Member: 2d Jeramey Johnson, KF7PMC (253) 254 6225 KF7PMC@gmail.com
 Board Member: 1st Yr. Herm Halbach III, KG7WMZ (360) 504-2226
 hermhach@centurylink.net