

# SPURIOUS EMISSION

ORLEANS COUNTY AMATEUR RADIO CLUB (OCARC)

14064 West County House Road Albion, New York 14411

OCARC Newsletter August 2012

News Editor Steve Maier (KZ2R) Email [kz2r@rochester.rr.com](mailto:kz2r@rochester.rr.com)

## Meeting Time

The Orleans County Amateur Radio Club (OCARC) meets at 7:30 p.m. on the 2nd Monday of the month at the Orleans County Emergency Management Office at 14064 West County House Road in Albion, New York except in September when we have a dinner meeting. The next meeting will be August 13, 2012.

Refreshments by WZ2MM(food) and KZ2R(drink)

## Club Officers

President: Andy Ogozaly KC2HZM

Vice President: Terry Cook KC2JKU

Secy: Ray Hertel N2VDR

Treas: Richard Toussaint KA2BCF

Dir: Bruce Sidari WA2TMC

Net Mgr: Marion Toussaint KA2BCE

Contest Mgr: Wayne King N2WK

Programs: Bruce Sidari WA2TMC

## ORLEANS CO. AMATEUR RADIO CLUB 2-METER NET

WA2DQL repeater 144.67 MHz in/145.27 MHz out with a tone of 141.3. Every Tuesday night at 9:00PM

We will be calling for officers first then anyone else that wishes to join in.

We also have a simplex net once a month on the Third Monday at 9:00PM on 145.270.

Upcoming net control stations are:

Aug 7	WA2TMC	Bruce
Aug 14	KA2BCE	Marion
Aug 20	KA2BCE simplex	Marion
Aug 21	KA2BCF	Dick
Aug 28	KC2JKU	Terry
Sep 4	WA2TMC	Bruce

## WA2DQL 2-Meter Net

If anyone would like to be a Net Control station, please let me know, I'd be glad to send you the call up procedure or script for the net. It's not that hard. Or if anyone has any suggestions, please let me know.

73 Marion, Net Manager KA2BCE

### OTHER NETS

2 Meter Sideband Net 144.260 USB 9:00 Mondays

Lara (Lockport Amateur Radio Club)

Sunday 8 p. m. 146.820

Swapnet after regular net Sept- May

### ANNIVERSARIES

Dick KA2BCF and Marion KA2BCE Toussaint 8/11/62

## REMINDER-OCARC Picnic

Our annual picnic will be held at the Orleans County Marine Park on Route 98 on Saturday August 4, 2012. Please bring a dish to pass and your own place settings. If you wish, also bring some empty containers, there has always been leftovers. There will be people arriving shortly after 8 AM. Our meal will start at about noon. See you all there.

### REMINDER OF IMPORTANT VOTE

Just to remind everyone, we will be having a vote at the August meeting to increase our dues. The full text of the proposed changes were in the July newsletter. If you didn't receive a newsletter or have misplaced your copy, you can review this proposal at our OCARC web site which is [www.ocarc.us](http://www.ocarc.us). There should be a link on the very first page for the "July 2012 Newsletter", if not, then go to the newsletter section and choose the "July 2012 Newsletter" link.

## Orleans County Amateur Radio Club July 9, 2012 Minutes

7:30 pm meeting called to order by the President followed by Pledge of Allegiance

welcome was extended to all, incl. Doug & Jason, Jeff & Alex

Minutes of previous meeting were reviewed and published in the newsletter and mailed. Attendance per sign in sheet  
The proposed by-law amendment was presented to raise the dues and create a 'family class' of membership. Full text was in last newsletter. A vote will be taken at the August meeting.

Nomination committee appointed: WA2TMC and N2WK. They wish to present a slate of 2 candidates for each office  
Newest licensee: KD2DKS-Jeff Strickland was given a round of applause

Treasurer's Report: Previous balance \$1012.15 Expenses \$201 Income \$250  
Balance as of 09 JULY 1061.15

Old Business : Report on Field Day by WA2TMC

Bad Propagation on 10-6-2 Thanks extended to K2ZI for the p-nut donuts, N8CL and Rosalind for the excellent meals . We 'almost' has a satellite qso ! KC2JKU , GOTA manager- GREAT JOB. K2RLB loaned us two tribanders and Bruce's brother-in-law supplied a bucket truck and a back up truck. The tribander and triplexer worked fine.  
for 2013 discussion was held on using 2 meter simplex station with a vertical antenna for local contacts. Pre-event training on equipment will be offered @ 6:30 prior to the May & June meetings . The goal is to improve on the air activity as a club with more involvement. N2WK reviewed the scoring and this was in the July Newsletter - 4394 points total. The co-chairmen requested new a chairman for 2013 but were willing to help their successor(s). Silence fell over the room !

Suggestions for 2013: Operators bring their own chair to ensure comfort.

Change to several smaller tents to reduce ambient noise and expense. Storage possible @ EOC

Two popup tents for the HF stations and borrowing a 20x20 tent from a fire dept.

More effort to recruit GOTA ops. Perhaps start by involving the Scouts in JOTA Discussion with

the scout leaders for names of specific scouts to participate rather than a general troop invitation preferred

Use of email to encourage individuals to participate

Financing of Field Day:

Expenses were \$500-600, the tent being over \$300, likewise for food. The expenses are greater than our annual income! A modes dues increase will NOT solve this. Discussion held on requesting a dish to pass and having a meal cost of \$15 per person participating to overcome the shortfall. The use of a donation jar ? A sign-up sheet for meals to help in planning and purchasing is needed.

Announcements:

July 11 : Hamfest meeting @ 7p at Medina Country Club restaurant

July 21 Lancaster ARC holding the 'Batavia Hamfest' at Alexander F.D. \$5 admission.

July 21 @ 2:00 pm (1800z) NAQP RTTY Contest. W2ORC will enter a team score

August 4: Club picnic at Oak Orchard park . The smaller pavilion was reserved. in 2013 effort to be made to secure larger pavilion at earliest opportunity. Club provides the hot dogs and hamburgers. members and guest to bring a dish to pass, and their beverages and table service. Gary has volunteered to be the cook. WF2S will bring baked beans. No other specific food offered . It was suggested someone needs to step forth and co-ordinate the food to prevent 10 dishes of baked beans from appearing ! NO volunteers to chair the event.

8:55 the President turned the meeting over to the VP, KC2JKU. He again requested someone to co-ordinate the food for the picnic. The silence was deafening !

Lighthouse Weekend will be August 18 and a chairman with operators are needed. In 2012, KZ2R and KC2JKU were solo participants and would like others to join them.

9:00 pm motion approved to adjourn the Meeting . Food and frivolity to follow. 50-50 raffle was held. The winners were Steve and Steve, who returned their winnings to the club treasury, \$42 to the club !

submitted  
WF2S

**Outdoor  
Indoor**



# HAMFEST

**Orleans County Amateur Radio Club**

*Gates Open 6AM for Vendors 8AM for Public*

**Saturday  
August  
11, 2012**

**Ridgeway Fire  
Hall  
11392 Ridge Rd.**

**Large Outside Flea Market  
(Indoor if Rain)**

**\$5 Admission**

**Includes Outside Flea**

**\$5 Indoor Tables**

**Kids under 16  
Free  
With paying adult**

## Forums

**Contesting  
RTTY  
PSK31**

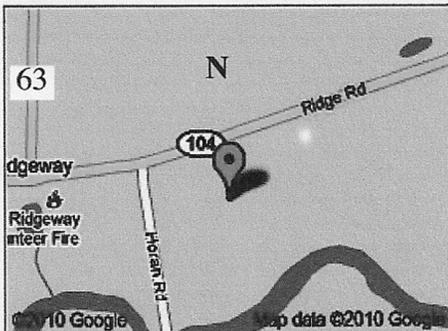
**Paved Hamfest Area  
Paved Parking  
5K Sq.Ft. Indoor**

## Door Prizes

**TEN TEC FG-01 Analyzer  
Wouxun KGUVD1P/4**



**Serving Breakfast Sandwich & Coffee \$3  
Hotdog or Burger Fries & Drink \$4  
VE Testing \$15 starting at 9AM**



### Directions

**From Buffalo, Rt.78N  
to Rt.104E**

**From West RT.104E  
From East RT.104W  
to Horan Rd Entrance  
Talk-in: 145.270**



**Contact Terry Cook,**

**KC2JKU (585)589-6362**

**kc2jku@ocarc.us**

# Some Q&A About Coax and Stubs for Your HF Station

By Jim Brown K9YC

Second Edition – October 2011

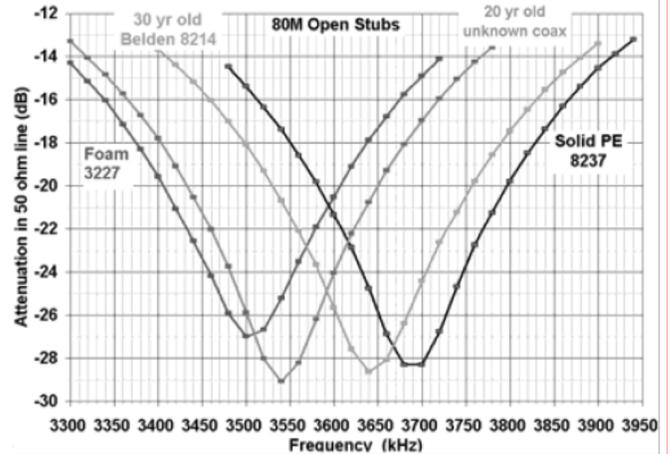
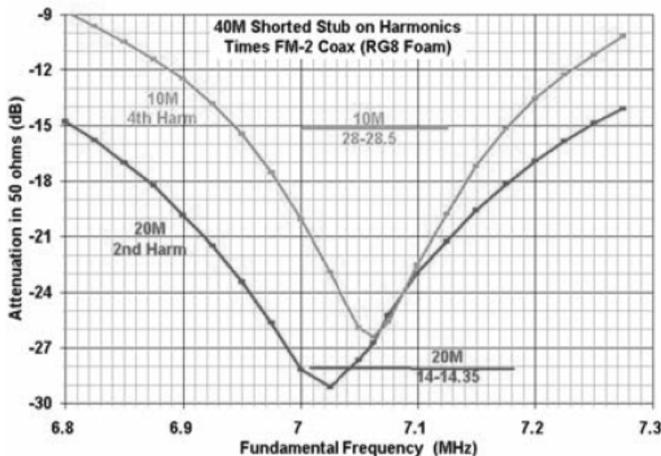
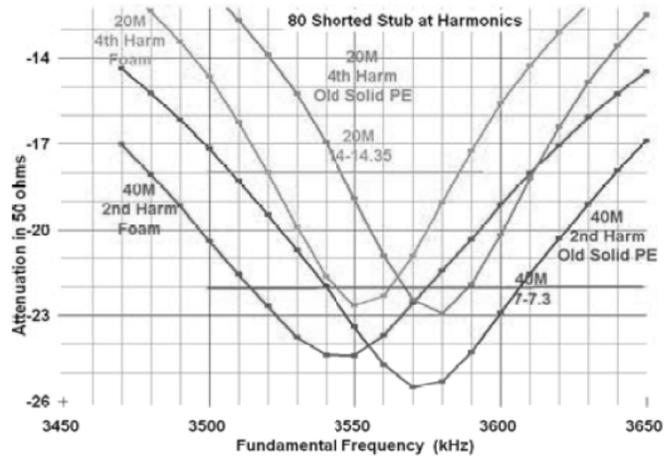
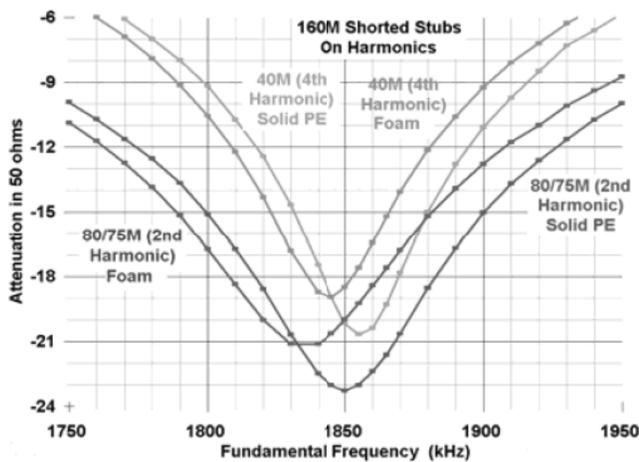
## PART 6

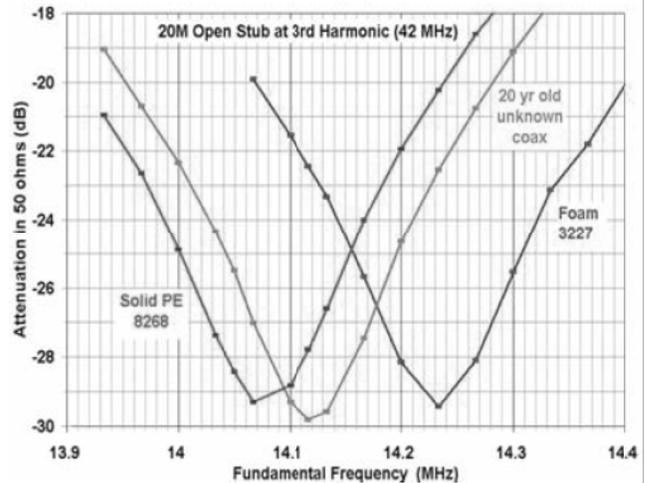
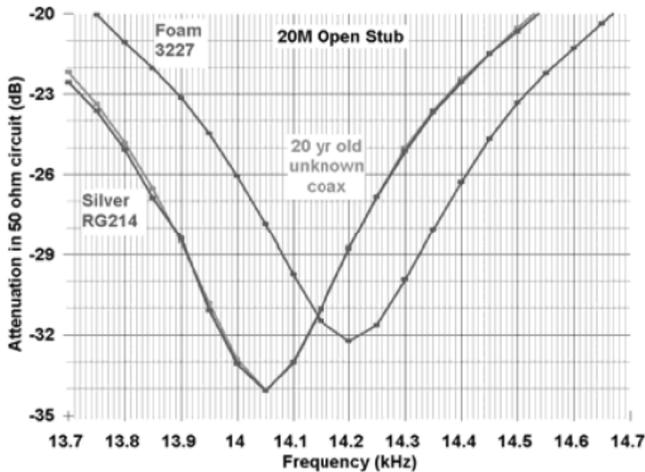
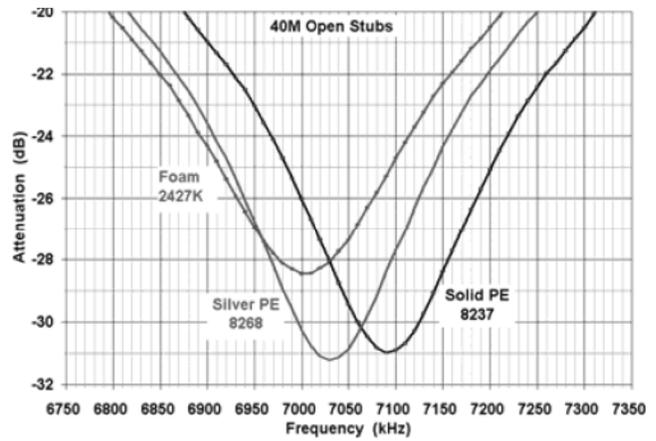
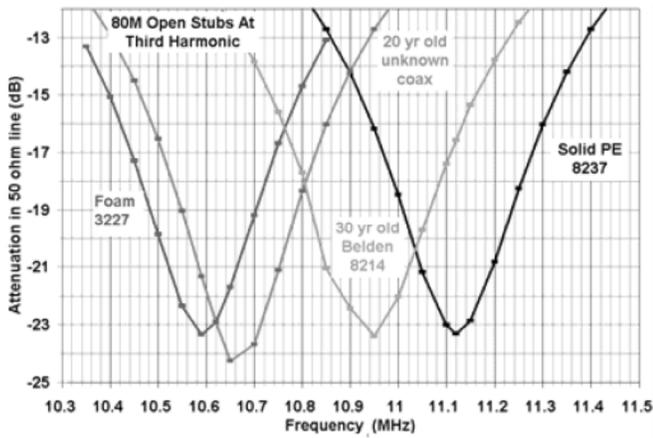
Q: How much attenuation can we get from a stub?

A: It depends on the frequency, the coax used to build the stub, and the impedance on the line at the frequency of the harmonic at the point where the stub is connected. For the best coax, at an ideal location on the line, attenuation of a second harmonic ranges from about 20dB from a 160M transmitter to 30dB or more on 10M. The null depth of a stub at its first resonance is approximately proportional to frequency. The table summarizes best case performance of stubs made with good quality solid PE RG8.

Frequency	$\lambda/4$ Open	$\lambda/2$ Shorted, 2nd Harm
160M	18-21 dB	
80M	20-23 dB	23-27 dB
40M	23-26 dB	25-27 dB
20M	26-29 dB	26-29 dB
10M	28-30 dB	

A few years ago, I measured a random collection of stubs that I built from a variety of cables for various ham bands. My test set was the HP generator/calibrated voltmeter rig described above for fine-tuning stubs and measuring VF. Here are the results.





Q: Where can I learn more about stubs?

A: The newest ARRL Handbook has a very good introduction to stubs, and covers use of these simple stubs to solve harmonic problems. It was written by W2VJN, whose self-published book "Managing Inter-station Interference" goes into far greater detail, and has long been considered "the Bible" for hams designing multi-transmitter stations. It covers a lot more than stubs, and it also shows how to build multi-element stub filters that provide much greater attenuation, and to filter bands that can't be tackled with the simple stubs described here! Buy it from Inrad (the filter people) for \$20. They're selling the latest edition, and you want it, because it includes additional techniques and designs that are worth knowing about. Ward Silver, N0AX, has written four very nice pieces on stubs for his excellent "Hands-On Radio" series in QST. They were published in Nov 2004, Oct and Nov 2007, and Jan 2008.

These drawings, from K1TTT's website, illustrating K2TR's stub recommendations, assuming cable with a 0.66 velocity factor. Take these lengths as starting points, cutting them a bit long and carefully trimming to length using one of the methods noted above.

