



Scuttlebutt

June 2013

Issue 221

**Next Meeting-
Saturday, June 1st – 8:30AM till 4:00PM
Milara, Inc.
49 Maple Street, Milford, MA**

Captain's Cabin

Tony Brock-Fisher, K1KP

I write this column after having just returned from Dayton – it was a great trip as usual, even if cut short by the necessity of an early return to be sure not to miss my oldest son's graduation from BC.

The high point of the trip, even beating out the crazy flea market offerings and delectable, if not indigestible hamfest food, was Bob Cox's address at the Contesters' Dinner on Saturday night. Bob, having handed over the reins as Director CQWW Contest to Randy, K5ZD, reflected on how the CQWW, and contesting in general, had changed during his 35 year tenure as Director. This brought to mind a triple-parallel of a generation of change in 3 topics: the CQWW, my professional career, and YCCC.

Bob described how, in the days before computer logs, the entire processing of the results of the contest was a manual, time and labor-intensive practice. Huge volumes of paper logs arrived at his house, to be stacked, then carefully opened and transcribed. Logs took every different form imaginable: Some from JA's that were neatly folded in quarters and tied up with string, and others that were compressed so tightly inside a mailing tube that Bob had to use a hacksaw to release them! Then came floppy disks, that sometimes worked, but often were unreadable. Even when the files could be read, they were frequently written in a unique format that was associated with the submitter's home-grown logging program. There were hundreds of different formats!

Do you know why they call it Cabrillo? Bob disclosed that Trey, N5KO came up with this name for the universal log submission format, in an effort to make it truly independent and not related to or associated with any particular contest or sponsor. Searching for a name that would be totally neutral, Trey gave the new format the name of 'Cabrillo', after the Cabrillo College, where he was taking courses. Judging by the chorus of 'Ahhhs' that rose from the audience at the Contest Dinner, I don't think this was very well known at all!

One real breakthrough in post-contest log processing was the ability to submit logs via the internet. Using the Cabrillo format and getting away from mailing floppies really brought the processing of the huge amount of data into the next decade. Simultaneously, the actual log-checking could now be computerized, and thanks to K1EA and his predecessors, the entire CQWW log results can now be processed in about 6 minutes!

The latest in contest administration now includes to previously unheard-of ability of the sponsor to record the complete contest using SDRs. This means that almost any contact in your log could in theory be checked against an on-the-air recording. So in the 35 years of Bob's tenure as director, the nature of contesting has changed in unimaginable ways.

(Continued on page 5)

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**Directions to YCCC meeting
(Joint WRTC2014 Training Event & YCCC BBQ)**

**Milara, Inc
48 Maple Street, Milford, MA**

Milara, Inc., 49 Maple Street, Milford, MA.

This is about 2 miles from I-495 Exit 19 (RT-109 W).

Take I-495 Exit 19 to Route 109 West. Follow signs for Massachusetts National Guard, which is across the street from Milara.

Left on Birch St.

Right on Beaver St.

Bear left onto Maple.

View in Google maps at <http://goo.gl/maps/XtUcf>

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The editorial deadline for the Scuttlebutt is the 10th of every odd month.

Yankee Clipper Contest Club Meeting Minutes

Sturbridge, MA - April 6, 2013

Tony K1KP called the meeting to order promptly at 1 PM and did a roll call of members and guests present.

The Secretary's and Treasurer's reports were given. Both were accepted.

Tony K1KP asked if there was any unfinished business. There was none.

Tony moved on to the proposed By-Law change to the dues structure which after some discussion was voted on and approved.

Tony K1KP made the following announcements:

Ken WB1DX is retiring as Scuttle Butt Publisher after ten years of service. Thank You

Will WC2L has stepped up and will take over as publisher of the Scuttle Butt.

Tony then showed the gavel that the YCCC received for winning the 2012.

The June meeting will be a joint meeting of the YCCC and training session for the WRTC 2014 location to be determined.

Alec W2JU gave a update on the scores submitted for this year's ARRL DX contests. Early indications are looking like the YCCC is on course to win again in 2013.

K1IU have a presentation on Azores 9 - Island Hunt

Tony K1KP then gave a State of the Club address. Major accomplishments of the past year included:

- Contributed \$2,575 to ARRL Scholarship
- Contributed \$2,000 to WRTC2012
- Created Hall of Fame Award, recognized W1AX, W1BIH, N4XR; Made Hall of Fame Award permanent part of YCCC Bylaws
- Held 2 Contest Universities, numerous local meetings
- Published *Contest Cookbook 2012-2013*
- Won ARRL DX 2012
- Won CQWW DX 2011

Tony then thanked all the Officers, Advisory council, Area managers, Scorekeeper, Awards Manager, Webmaster, Media Manager, Scuttlebutt Editor, Scuttlebutt Publisher, and W1QSL Buro Mgrs. In closing Tony said **“THANK YOU!!!...the members who volunteer their time to make YCCC great!!! Teamwork Makes the Dream Work!!!”**

Next elections were held and the slate of incumbents won reelection.

After a break the club welcomed two new members NQ1D and K1RAX.

Jack W1WEF did a Video Station Tour of his fine station.

Next K1LI gave a presentation on his Trimox antenna.

Next the Scholarship raffle was conducted and the winner of the K3 was W1VE.

K1ZM / VY2ZM did a video Station Tour

The meeting was adjourned

Thank you to N8RA Chet, W1UE Dennis and K1KP Tony for taking notes, providing slides and details of the meeting in my absence.

Submitted
Brian NJ1F
YCCC Secretary

Joint YCCC/WRTC Meeting
Saturday, June 1, 2013
8:30 am - 4:00 pm
Milara, Inc.
49 Maple Street
Milford, MA.

Details

The WRTC2014 Organizing Committee and the Yankee Clipper Contest Club will conduct a joint meeting in Milford, MA on June 1, 2013. The purpose of the meeting is to recruit and provide training for volunteers who will be involved in the 2013 station test and 2014 WRTC event. Everyone is invited. This event will serve as a YCCC meeting in place of the annual K1RX cookout. See information below on an exciting door prize for participants.

2013 Station Test

The WRTC2014 organizers are planning a 30-station test run this July to expand the pool of trained volunteers and to prove out the logistics for the 2014 event. The station test will be held the weekend of July 12-14, 2013. Volunteers of all interests and skill levels are needed.

Training Session

Registration for the June 1 training will begin around 7:30am (everyone will be asked to sign a release form). Coffee and donuts will be available for breakfast.

The training starts promptly at 8:30am with a short indoor classroom-style review of the station setup process, including changes from last year. Then we will install two (possibly three) complete WRTC2014 stations outside. We should be finished by 4pm. A BBQ lunch will be served.

This is a "rain or shine" event... if it is raining, bring rain gear. We will have to set up the stations in 2013/2014 if it is raining... we can't have a "rain date" then, so we won't have one now!

A WRTC station consists of a 30 foot tower with tribander antenna and dipoles plus an operating tent and generator. Volunteers on the Beam Teams have the task of setting up the tower and antennas. The volunteers on the Site Teams will set up the tents and provide generator support during the competition.

Beam Teams

The 15 Beam Teams will be setting up 4 or 5 stations each (65 total) in a day or two in 2014. We have made several changes to the installation procedure and added some new tools. The goal is to practice and streamline the entire process so that each station can be setup in an hour or two in 2014. Using the new techniques at the Boxboro ARRL Convention last year, the antenna system was installed in about 90 minutes (compared to 4 hours on average in July 2012).

Note to Beam Team Captains: Bring your complete tool kits.

Site Teams

There will be a Site Team assigned to each location. The training will help Site Teams get familiar with the generator/gas tank setup and the contents of the station kits ("do we have bug spray? a lamp? and a fire extinguisher?")

Prize Drawing

A door prize drawing will be held - the prize is one complete WRTC2014 station...tent, generator, tower/antenna system, rotator...everything. Perfect for your club or even your home station.

**ALL YCCC MEMBERS ARE INVITED – YOU NEED NOT BE OFFICIALLY
SIGNED UP WITH WRTC2014 to ATTEND!**

(Captain's Cabin, Continued from page 1)

Bob's longevity career as contest director parallels my own 35-year career as a design engineer in the field of diagnostic medical ultrasound. I think back to when I started at HP in 1978. Here are just a few interesting facts:

- All the engineers were men. The first female engineer wasn't hired until 1980.
- Many engineers smoked - maybe as much as a third. Smokers indulged right at their desks. There were big ashtrays made from the sawed-off tops of aircraft pistons. Plumes of smoke rose in the lab.
- There were no personal computers. If you needed a computer, you used a terminal which was connected to a mainframe that was actually owned by accounting.
- There was no email (maybe this was a good thing). If you needed to communicate to many others you handwrote a 'memo'. Then you gave it to a 'secretary' who typed out hard copy on a 'typewriter'.
- To build our first product, we had about 5 software engineers and 30 hardware engineers. Now the ratio is reversed and scaled; to build a modern ultrasound system takes 20 hardware engineers and hundreds of software engineers.

So again, in the course of 35 years, the nature of the beast has changed in inconceivable ways such that it is no longer recognizable as a descendent.

The last parallel is the way that YCCC has changed since it's founding in 1977. Having grown from that original bunch of 78 hams, listed in the oldest known YCCC roster dated April, 1977 (which was typed on a typewriter), YCCC is now almost 400 strong. I heard a lot of buzz in Dayton about our latest string of impressive victories. Our participation levels in major contests is the key to our strength - as always, our strength lies in the sheer numbers of logs submitted, not in their size.

There is another area where I would like to challenge our membership to match this participation level - and that is in our support of WRTC2014. YCCC has shown the contesting world that we are a premier level club. At Dayton I heard glowing praise for our website and it's wealth of technical information. WRTC2014 is our golden opportunity to show the world that we can not only win contests, but we can be a world-class host as well. Who of the original 78 YCCC members would have imagined that YCCC would someday support the world's best contesters in a Field Day style event supporting 60 stations all within our territorial circle? You can rest assured there will be plenty of opportunities for YCCC to be showcased in ham radio media coverage of the event. We should do our best to show our support for contesting and the international goodwill opportunities of WRTC2014 in the same way we go about winning contests - by the sheer number of members who participate.

Our next meeting will be very little YCCC business, and a whole lot of WRTC2014 training. If you haven't already signed up as a volunteer in some capacity, just come to the training session on June 1 with a willingness to volunteer and we'll find a spot where you can help out.

-. - - / - . - . / - . - . / - . - .



Clockwise from left: Pete W1RM, Andy K2LE, Barry NF1O, Jack W1WEF, Linda KA1ZD, Dave K1ZZ, Frank N2FF, Tom KA2D, Ed K1EP, Gerry W1VE. (Photo Jim K1IR)

The TriMox - Moxon Tribander for a Holiday DXpedition

Brian Machesney, K1LI - K1LI @ arrl.net

For the past five years, I've traveled to the Caribbean region to "be DX" in the single-operator, all-band, low-power category of the annual ARRL DX Phone contest. While trying to erect effective antennas at four different locations – and not succeeding to my own satisfaction – I've learned some hard lessons about the need for a lightweight, compact, unidirectional antenna that covers the 10-, 15- and 20-meter bands and can be raised with a single support.

With just six weeks to go before this year's February departure, a period punctuated by two more full-weekend contests in which I planned to participate, I still didn't have a solution. The Moxon Rectangle [1] first described by Les Moxon, G4XN (SK), and the Wideband Hexbeam [2] developed by Steve Hunt, G3TXQ, were strong contenders. Being driven to achieve the maximum "fun per dollar" from my hobbies, I inventoried the materials on hand and decided to attempt a triband array of Moxon Rectangles.

L.B. Cebik, W4RNL (SK), detailed the history and benefits of the Moxon Rectangle in *QST* [3]:

- Gain similar to a 2-ele yagi, with very good rejection of rearward signals and 25% smaller turning radius
- About 80° forward horizontal beamwidth with gain and F/B pattern integrity across at least half of each band
- Low SWR across each full amateur band, using wire-element construction

In contrast to W4RNL's suggestion to support the Moxon Rectangle from two or four poles, contributors to the Moxon Antenna Project website [4] created by John Labutski, KD6WD (SK), have built lightweight X-frames that allow the antenna to be raised and supported from a single, central point. With a good deal of antenna modeling experience under my belt, I chose to use the EZNEC+ interface to the NEC-2 computing engine to develop the antenna rather than attempting a trial-and-error approach with hardware prototypes.

It has long been recognized that inter-element coupling makes adapting the Moxon Rectangle to multiband use a nontrivial problem. [5] While there are reports of progress in this area [6-8], I was unable to arrive at working models of these designs in time for my impending trip, so I struck out on my own in search of a simple, workable solution.

Design

After computing dimensions for the three elements using *MoxGen* [9], my first effort to reduce inter-element interaction followed a key principle of the Wideband Hexbeam: use an inverted-umbrella type structure to create vertical separation between the elements. **Figure 1** diagrams the element wires in black, support structure in blue and feedpoints in red. With the smallest, 10m element at the bottom, the 15m and 20m elements are spaced 6" and 3ft above the 10m element, respectively. Again following G3TXQ's lead, I fed the three elements in series. But despite feeding the elements in different orders and varying the line lengths between the elements, the 10m pattern and the SWR on all bands deteriorated beyond what I considered to be useful – and the clock was ticking..

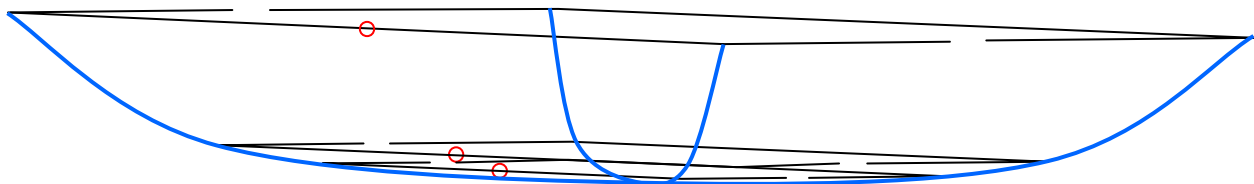


Figure 1: First-pass diagram of triband array of Moxon Rectangles

Remembering past readings on the use of transmission line stubs to reduce harmonic inter-station interference at multi-transmitter stations [10], I wondered if I could de-tune the unused elements by connecting them to open-circuited half-wave transmission lines, which would present short circuits to the elements' feedpoints at the stubs' resonant frequencies. After examining the strongest inter-element interactions, I determined that feeding the 10m and 20m elements with 15m half-wave lines and feeding the 15m element with a 10m half-wave line provided the cleanest set of patterns for the three bands. The elements' individual feedlines would be connected to a remote coax switch mounted on the mast and controlled from the shack. (Note: I used open-circuited half-wave lines because I wanted to use the remote coax switch I had on hand. If one had a shorting coax switch, it might be possible to use short-circuited quarter-wave lines to reduce cost and weight.)

There was still one catch, though: the 10m pattern bandwidth shown in **figure 2** was considerably narrower than it would be for a monoband unit, shown for comparison in **figure 3**.

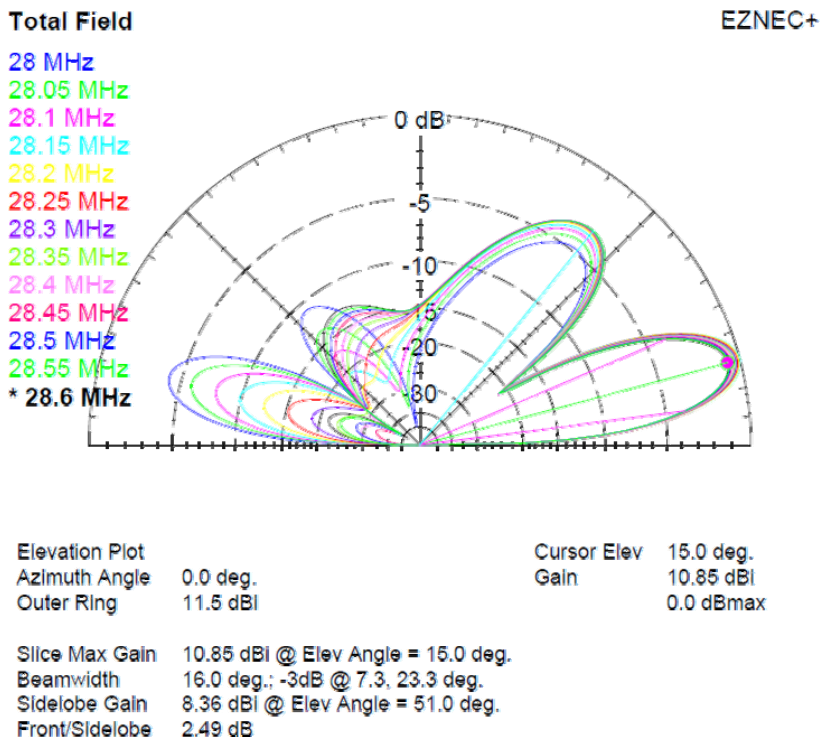


Figure 2: 10m elevation plot of triband Moxon Rectangle with stub feed

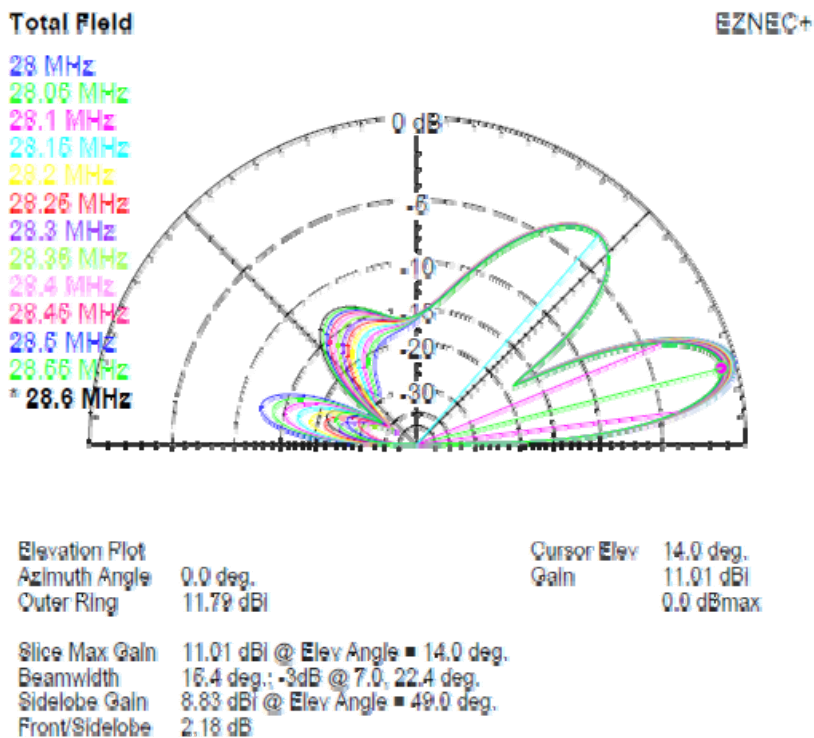


Figure 3: Elevation plot of monoband 10m Moxon Rectangle

antenna still on sawhorses, I made some 20m contacts around the USA and as far as Japan with good reports, plus a few

Figure 4 demonstrates that increasing the total vertical spacing between the elements to 5ft restored the pattern integrity. Finally, it was time to build the antenna.

Construction

A local metal shop cut, pressed and bent 1in. heavy-wall electrical conduit to form the arms of the hub that receives the mast ends of the four spreaders [11]. I was keen to bring the antenna on an airplane as checked baggage, so all components were broken down into 4ft lengths. Each spreader comprises four, 4ft lengths of pultruded fiberglass tubing with 0.125in walls. [12] Tubes of 1in diameter fit into the four hub arms. Three 0.75in tubes are internally spliced together with 0.5in tubes and secured with hose clamps. This 12ft-long subassembly is inserted into the 1in tube with 6in overlap and secured with a hose clamp. Each spreader is, therefore, 15.5ft long.

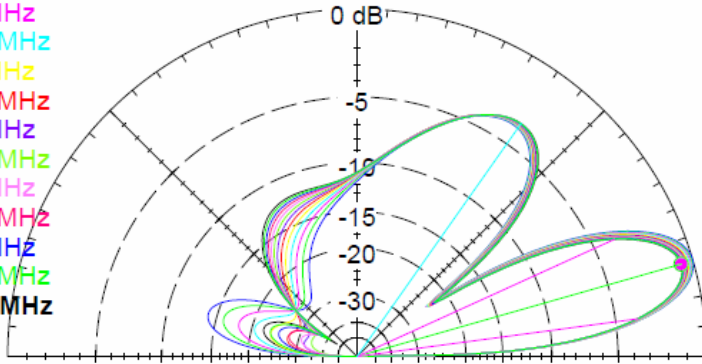
To minimize weight and maximize portability, I crimped and soldered ring terminals to the ends of the Flex-Weave™ half-elements and tied Dacron line to the ring terminals to create the critical gaps between the driven elements and reflectors for the respective bands. With the corners of the 20m element secured to the ends of the four spreaders, they assume a shape that allows placement of the 15m and 10m elements in positions that are very close to the model. I secured a 4 ft mast of PVC electrical conduit to the hub with an aluminum hub-to-mast plate and added low-stretch Dacron lines from the top of the mast to each spreader to relieve some of the stress on the 20m elements. The hub and mast assembly is shown in **figure 5**.

My first checks of the antenna produced mixed results. While sitting on sawhorses a few feet above the ground, the 20m and 15m resonances were shifted up in frequency by over 100kHz, as expected. But the 10m resonance was shifted down in frequency by over 300kHz. Suspecting that the hub assembly might be detuning the 10m element, I reversed the vertical positions of the 15m and 10m elements as shown in **figure 6**.

SWR measurements confirmed the hoped-for results and **figure 7** shows that the rearrangement of the elements slightly improved the modeled 10m pattern, while the simulated azimuth patterns demonstrated no disruption of the pattern on any band. With the

Total Field

- 28 MHz
- 28.05 MHz
- 28.1 MHz
- 28.15 MHz
- 28.2 MHz
- 28.25 MHz
- 28.3 MHz
- 28.35 MHz
- 28.4 MHz
- 28.45 MHz
- 28.5 MHz
- 28.55 MHz
- * 28.6 MHz



Elevation Plot		Cursor Elev	16.0 deg.
Azimuth Angle	0.0 deg.	Gain	10.81 dBi
Outer Ring	11.42 dBi		0.0 dBmax
Slice Max Gain	10.81 dBi @ Elev Angle = 16.0 deg.		
Beamwidth	16.9 deg.; -3dB @ 7.7, 24.6 deg.		
Sidelobe Gain	7.99 dBi @ Elev Angle = 55.0 deg.		
Front/Sidelobe	2.82 dB		

Figure 4: 10m elevation plot of triband Moxon Rectangle with stub feed and increased total vertical spacing

EZNEC+

contacts on 15m and 10m – including 3D2RX on 15m CW. Rotating the antenna at ground level while listening to stations in Ontario and Newfoundland, Canada on 20m CW confirmed the desired F/B performance.

With the exception of the remote coax switch, the entire antenna fits into a cardboard box 48” L x 6” W x 6” D, just within the airline’s 61” limit of total linear dimensions for checked baggage. While the box seemed quite robust when stuffed with the antenna components and sealed at the ends, I reinforced all seams and added several radial wraps with Gorilla Tape to ensure a trouble-free passage. Time to head south!



Figure 5: TriMox hub and mast assembly

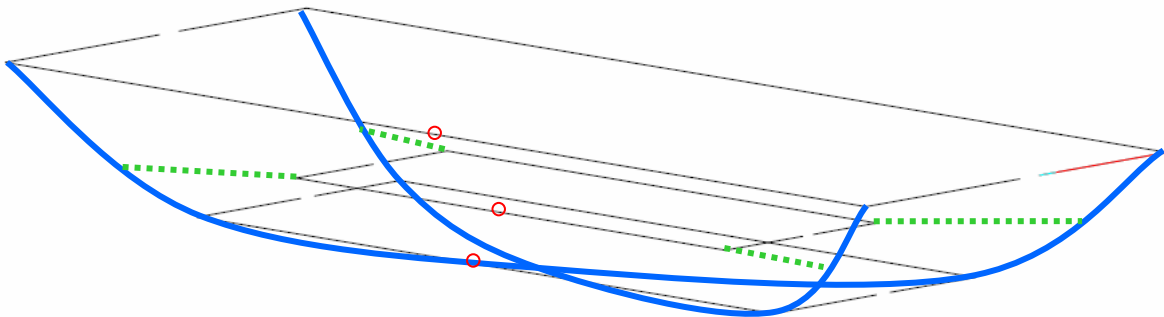
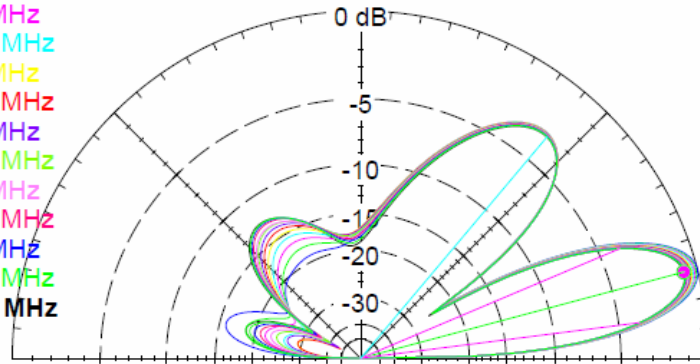


Figure 6: Diagram of revised triband array of Moxon Rectangles

Total Field

EZNEC+

- 28 MHz
- 28.05 MHz
- 28.1 MHz
- 28.15 MHz
- 28.2 MHz
- 28.25 MHz
- 28.3 MHz
- 28.35 MHz
- 28.4 MHz
- 28.45 MHz
- 28.5 MHz
- 28.55 MHz
- * 28.6 MHz

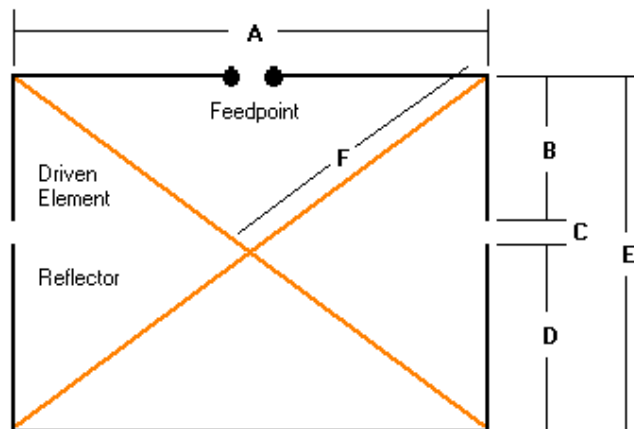


Elevation Plot
 Azimuth Angle 0.0 deg.
 Outer Ring 11.4 dBi

Cursor Elev 15.0 deg.
 Gain 10.71 dBi
 0.0 dBmax

Slice Max Gain 10.71 dBi @ Elev Angle = 15.0 deg.
 Beamwidth 15.7 deg.; -3dB @ 7.3, 23.0 deg.
 Sidelobe Gain 8.24 dBi @ Elev Angle = 50.0 deg.
 Front/Sidelobe 2.47 dB

Figure 7: 10m elevation plot of revised triband Moxon Rectangle with stub feed



	A	B	C	D	E	F
20M	303.35"	46.56"	7.26"	56.16"	109.98"	60"
15M	202.96"	30.93"	5.23"	37.72"	91.88"	0"
10M	151.35"	22.91"	4.00"	28.21"	82.56"	30"
Notes: F = Vertical Distance/Spacing above Hub						
Wire Size – 15Ga Flexweave™						

To the Beach!

Our first morning in Belize dawned warm and windy, with a breathtaking view of the turquoise-blue Caribbean Sea just fifty yards to the East of our second-floor balcony. Unfortunately, the antenna situation was not so pretty. There were no tall trees within reach of our cabana and, though the space above the tin roof was overspread with a tangle of branches from the surrounding trees, none reached out far enough to support the TriMox footprint. I found three 10ft long wooden poles leaning against a tree, carried them up a ladder and onto the cabana's roof, then lashed them together into a tripod.



After assembling the TriMox at ground level, the groundskeeper and I lifted the 25lb. antenna onto the roof of the cabana. I positioned the makeshift wooden tripod over the TriMox and hoisted the mast into place as shown in **figure 8**. With this arrangement, the topmost 20m element was almost 10ft above the tin roof and 35ft above ground level, but also facing directly into a wide line of metal-roofed condominiums just 25ft away. While this “tin canyon” didn't allow the TriMox to perform to its full potential, I was able to make over 1800 contacts on the 10-, 15- and 20-meter bands during the 2013 ARRL DX Phone contest, including six hours of more than 150 contacts per hour. Running just 100W, the TriMox allowed me to hold my own in very crowded band conditions.

Figure 8: TriMox supported on cabana roof beneath makeshift wooden tripod

References:

- [1] Moxon, Les, *HF Antennas for All Locations* (RSGB, 1982), pp. 67, 168, 172-175
- [2] Hunt, Steve, *G3TXQ Broadband Hexbeam*, © 2007-2013, www.karinya.net/g3txq/hexbeam/broadband/
- [3] Cebik, L.B., “Having a Field Day with the Moxon Rectangle,” *QST*, Vol. 84 no. 6 (June 2000), pp. 38 – 42
- [4] The Moxon Antenna Project, www.moxonantennaproject.com
- [5] Cebik, L.B., *Multi-Banding the Moxon Rectangle*, 1999, w4rnl.net46.net/mbm.html
- [6] Todorovic, Andra, “YU1QT 6-Band Moxon,” www.moxonantennaproject.com/yu1qtmoxon.htm
- [7] Todorovic, Andra, “3Band 3Element MOXON with single coax feed,” www.s55m.com/teh/3BMOX/3b3lmox.html
- [8] Croft, Phil, *Phil's Multi-band Moxon*, 2003, www.moxonantennaproject.com/GOWSPmoxon.htm
- [9] Download MoxGen from the Moxon Antenna Project, www.moxonantennaproject.com/design.htm
- [10] See, for example, K3NA's “Stub Sketch Notes” at www.yccc.org/Articles/K3NA_stubs.pdf and section 20.3 of the 2013 *ARRL Handbook*
- [11] See example hub designs at www.moxonantennaproject.com/hubs.htm
- [12] See, for example, MaxGain Systems at www.mgs4u.com



April 18, 2013

Chet Slabinski, N8RA
YCCC Treasurer
462 W. Hill Rd.
New Hartford, CT 06057

Dear Friends,

On behalf of the ARRL Foundation, thank you so much for your very generous contribution of \$2032.27 to fund the Yankee Clipper Contest Club Scholarship.

Your generosity will provide a scholarship to a young ham pursuing higher education based on the Terms of Reference for the scholarship. Thank you.

The annual award of scholarships is highly competitive and the YCCC scholarship is a prized award for a student attending school or living near the club's geographic center.

Thank you and 73,

A handwritten signature in black ink that reads "Tom Frenaye".

Tom Frenaye, K1KI
President

225 Main Street Newington, CT 06111 (860) 594-0397 mhobart@arrl.org www.arrl.org/arrif/
The ARRL Foundation is a not-for-profit, tax exempt, 501(c)(3) organization. Any contributions made to it are tax deductible to the extent permitted by law.

Club Dues

Before you send in your dues, please look over these changes to the dues structure that were approved at the April 6, 2013, Club meeting.

The new yearly dues rates are:

- Full member, electronic delivery of newsletter- \$15 (unchanged)
- *Full member paper delivery of newsletter- \$30*
- Family member- no charge (unchanged)
- Student member electronic or paper- \$10 (unchanged)
- Subscription to electronic newsletter- \$10 (unchanged)
- *Subscription to paper newsletter (USA only)- \$25*
- *Former member electronic newsletter- no charge (new category)*

Discounts for paying multiple years in advance have been discontinued. You may still send multiple years of dues, but we *no longer* offer a discount rate for that.

***Before you send in your dues,
please continue reading below
about the transition to the calendar year.***

Our “dues year” is now aligned with the calendar year, January through December.

The **old “dues year”** was from April of one year through March of the following year and had lead to a lot of confusion about when dues were due and also when a member would fall off the roster. As it was, being paid up through March of a year meant you were paid for part of that calendar year. To now get in synchronism with the new dues year, you will only need to pay a pro-rated amount for that partial year (namely for the remaining months of April through December of that year).

The pro-rated amounts for the remaining 9 months of any transition year are:

- Full member, electronic delivery of newsletter: \$10
- Full member paper delivery of newsletter: \$20
- Student member electronic or paper: \$5
- Subscription to electronic newsletter: \$5
- Subscription to paper newsletter (USA only): \$15

So, when sending in dues, please first pay the transition amount shown above. If you also wish to include another full year(s) of dues, add the full year amount shown above.

Some examples, assuming *electronic delivery of the ‘Butt*:

- If you are listed on the roster as 3/31/2013, your dues are now due. You can pay \$10 and will then be current for the rest of this year. If you wish to pay for all of next year (2014) at the same time, then adding another \$15 gets you paid up thru December of 2014.
- If you are listed as 3/31/2014, there is no hurry to pay dues, but \$10 anytime will get you synced and good thru December of 2014.
- If you are listed as 3/31/2012 and want to catch up the arrears, \$15 gets you to 3/31/2013 and another \$10 gets you thru December of this year.
- If you are further back than 3/31/2012, we are always glad to receive past due dues (especially if you’ve continued to receive the club perks throughout that time), but you can just pay \$15 for this calendar year to get back on the current roster.

To pay by check, make it out to “YCCC” , include your callsign plus the callsigns of any family members, and mail it to:

YCCC
c/o Chet Slabinski
462 W Hill Rd
New Hartford, CT 06057-2416

OR To pay via *PayPal*:

1. Login to your *PayPal* account and select the “send money” tab.
2. Fill in the “To” field with yccc-paypal@yccc.org and type in the payment amount.
3. Choose the “personal” tab and select “other” (Or, depending upon your *PayPal* account type, you may instead have to select “I’m sending money to family or friends” as the reason for the money.)
4. Put your callsign(s) and newsletter choice in the Subj or Note fields and send it.

DO NOT choose the “payment” tab for a purchase of goods or service. We are a non-profit and do not sell goods or services, and get warned by *PayPal* if we get these types of payments. Please use your *PayPal* balance or link to a bank account, if possible, to avoid fees.

YCCC CLUB RESOURCE INFORMATION

DUES AND MEMBERSHIP STUFF Dues for the year are payable as of January 1st. The YCCC has adopted a multi-tiered membership format as follows: Please note that payment of dues IS NOT a prerequisite for contributing scores to the Club aggregate, but IS for the various YCCC Awards Programs

Full Member - \$15/yr (Eligible for YCCC member benefits and electronic "Ebutt" delivery of Club newsletter)

Full Member - \$30/yr (Eligible for YCCC member benefits and paper delivery of Club newsletter)

Family Member - \$0 (Grants full membership to all amateurs residing at one domicile on payment of one member's "Full Member" annual dues and entitlement to one Club Newsletter sent to one domicile or email address. All members of said family are eligible for YCCC member benefits.)

Student Member - \$10 (Grants full membership to students at a reduced level. Eligible for YCCC awards programs and paper or electronic delivery of the Club Newsletter.)

Subscription - \$** (A "supportive friend of YCCC" - not a member but a possible candidate for future membership. Only receives club newsletter in paper or electronic form. \$10 for electronic "Ebutt" delivery domestically or overseas or \$25 for domestic paper delivery.)

Club members who move out of club territory and so are not eligible to contribute to club aggregate scores can continue to participate in the Club's e-mail reflector and receive the electronic "Ebutt" delivery of newsletter at no cost.

You can tell if you owe dues by checking your 'Butt mailing label or the Club roster in the Members Only section of the website.

NOTE: If your dues are paid to a March 31 date, then you now need to synchronize to the calendar year. Please see the "Dues" area on the Members Only section of the website for the pro-rated dues amount for a partial year.

Mail your dues to the club treasurer, Chet Slabinski, N8RA, 462 W. Hill Rd, New Hartford, CT 06057.

SCUTTLEBUTT ARTICLES should be sent to the Scuttlebutt editor, Steve Rodowicz N1SR, preferably by E-mail at n1sr@arrl.net or on 3½" disk (in MS-Word format or text file) by snail mail to Steve Rodowicz, 809 Pendleton Avenue, Chicopee, MA 01020. The deadline for each issue is the 10th of the preceding month..

Scuttlebutt Advertising: Nominal Business Card sized ad, \$50 per year (6 appearances)

CONTEST SCORES should be sent to the club scorekeeper, Dave Hoaglin, K1HT, preferably by E-mail at scores@yccc.org. Please include details such as numbers of QSOs, QSO points (if appropriate), and multipliers (all types); entry category; and power.

CLUB GOODIES

BADGES YCCC badges are available from Tony, K1KP. Send \$3, name and call desired on the badge, and your mailing address to Tony.

APPAREL Contact Richie, W1STT. Email: richd1313@aol.com

YCCC LOGO ITEMS <http://www.cafepress.com/n1k>

QSL CARDS are ordered through Dennis Egan, W1UE. To order, send Dennis an email at egan.dennis88@gmail.com, detailing card information per "QSL Request" form available at http://www.yccc.org/members/yccc_qsl.htm. You will receive a proof by email. Approve the proof, making any corrections, and return to Dennis *with payment* (make checks out to Dennis, not YCCC). Current price is \$50 (delivered) for 1,000 cards. Also available is the glossy version for \$70/1000.

MEMBERSHIP ROSTER is posed on the YCCC website. Updates are published in 'Movers and Shakers' when members move or change call signs.

COMPUTER STUFF INTERNET REFLECTOR There is an Internet mailing list for YCCC members. To subscribe, send mail to yccc-REQUEST@yccc.org. Insert only the word "subscribe" in the subject of the mail message. (Do not send messages to the reflector that have file attachments, HTML formatting, use boldface or other fancy fonts, etc.)

WWW HOME PAGE Come visit us at <http://www.yccc.org> Our Webmaster is Lyn Glagowski, WB1CCL.

ADMINISTRATIVE STUFF *The W1 QSL BUREAU* is sponsored by the YCCC. More information at: www.w1qsl.org Address: W1 QSL Bureau, PO Box 7388, Milford, MA 01757-7388. Email address: w1qsl@yccc.org

ARRL COMMITTEE REPS are:

CAC: **New England** Dennis Egan, W1UE **Hudson** George Wilner, K2ONP **Atlantic** Charles D Fulp Jr, K3WW

DXAC: **New England** Bob Beaudet, W1YRC **Hudson** John Sawina, NA2R **Atlantic** Chris Shalvoy, K2CS

VUAC: **New England** Ed Parish, K1EP **Hudson** Frederick Lass, K2TR **Atlantic** Joe Taylor, K1JT

ARRL LIAISON: Sean Kutzko, KX9X

WRTC



World Radiosport Team Championship

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