

July/August 2017 Issue



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You can contact your board by email at info@cara.nu or by filling out the Suggestion Box form on the Members page of www.cara.nu.

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NEW ITEM – CARA Patches

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Member List

Membership Renewal Form

**The next CARA breakfast meeting is 8AM
August 12, 2016, at the Katella Grill,
Orange, CA.**

Order what you want from the menu!

Raffle tickets will be sold separately at the meeting

Like us on Facebook: www.facebook.com/CatalinaRepeater

The **RAGCHEWER**

CARA, PO Box 425, Garden Grove, CA 92842-0425

www.cara.nu

Published bi-monthly for members of the Catalina Amateur Repeater Association (CARA). Also posted on the association's website.

Catalina Repeaters

51.86 (-) PL 82.5

147.090 (+) (no PL, but occasionally 79.7)

224.420 (-) PL 110.9 (Available through Echolink connection via KC6PCB-L, node #130506)

927.9375 (-) DPL 311

224.320 (-) PL 151.4 – Costa Mesa

446.140 (-) PL 110.9 – Avalon (only in Avalon)

Packet Node 145.05 CARA – digipeater, CARABB – public message board, CARA-7 - Node

Talk day or night on our 220 repeater via Echolink conference server #732732, *CATALINA*. Keep in touch with family and Ham friends while away from home. We also link the 6 meter, 220 and 2-meter repeaters for the Monday night net.

Weekly Nets:

Monday:

Membership Net, 7:00PM, ARRL Audio News, announcements, member check-in followed by Echolink and guest check-in. The 2-meter, 6 meter and 220 repeaters are linked.

Swap Net, Immediately following the membership net, for the buy, sale and trade of amateur and amateur related equipment.

Tuesday:

The 620 Net, 7:00PM, 6 meter and 220MHz informal net, open to all amateurs. Repeaters are linked during the net.

First and Third Thursdays:

Trivia Net, 7:00PM, on the 2m repeater.

Antenna Ideas From Mike KD6SF

One of the last few issues of the Ragchewer requested yarns and sketches from the membership, so I'm submitting a set of my scribblings for a compact 20-meter vertical antenna. It would be suited to a ham who doesn't have a lot of antenna space; most of the newer Southern California homes would fit that scheme.

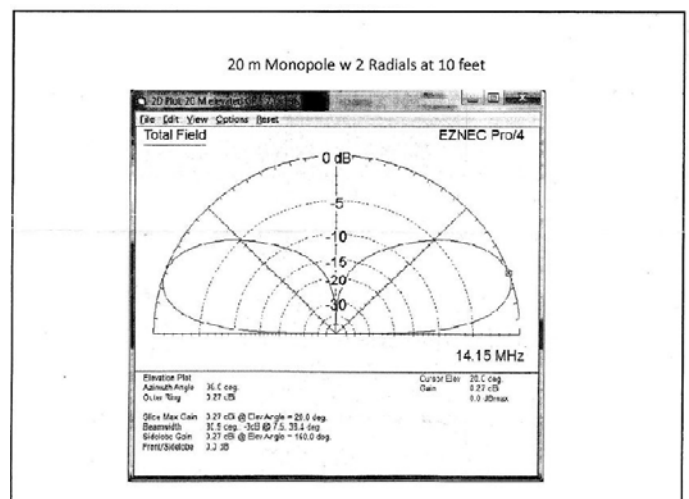
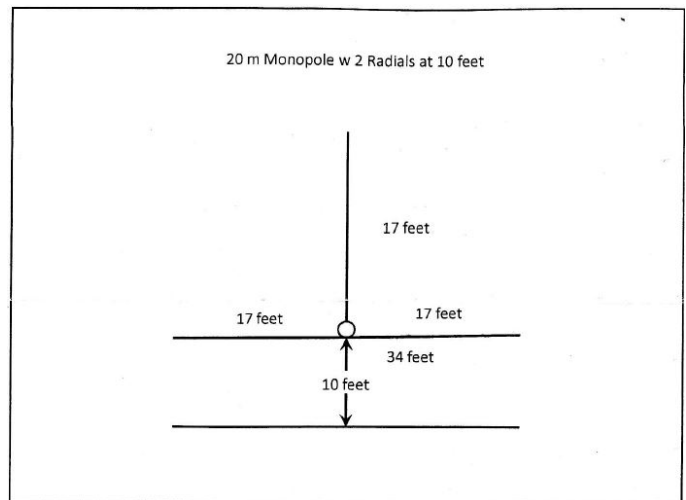
The drawings and EZNEC sketches came from The Doctor (of QST), Joel Hallas, W1ZR and originally, my suggestion was to use a folded monopole, one-eighth-wave in height (the conventional ground plane is a quarter-wave in height) and fed against a conventional counterpoise. That design has been around or ages yet is seldom used. Joel instead converted the idea into using a conventional vertical (ground plane) antenna against a compact (short) counter-poise.

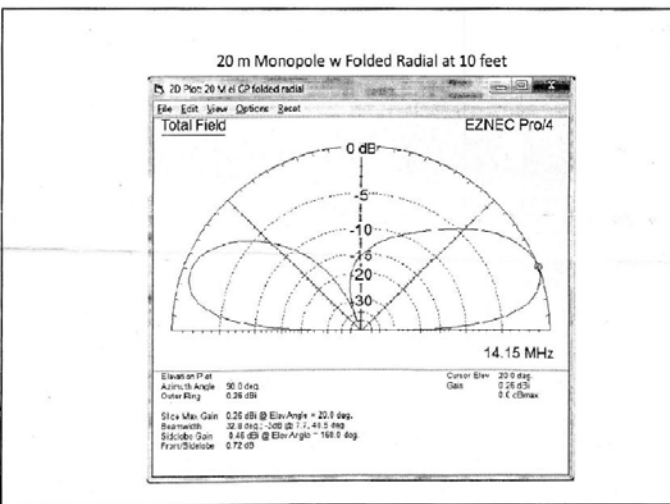
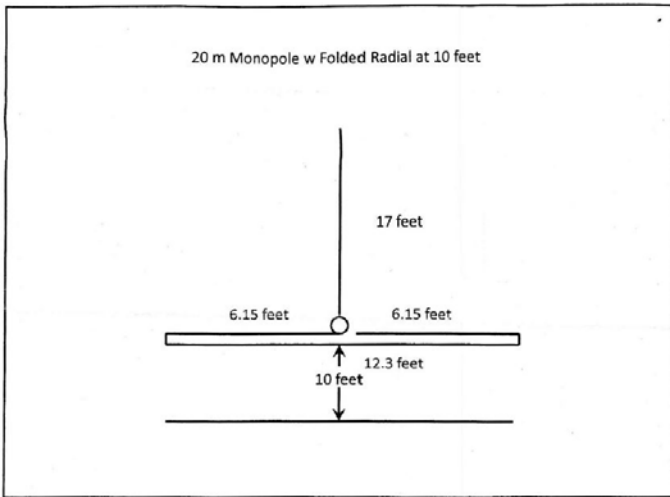
Moxon, G6XN (SK), in his book, "HF Antennas for All Locations", on page 165 has a drawing of the proposed type of antenna (a vertical). And Moxon, as unconventional as he was, cobbled-up a 3-1/2 foot long counterpoise, inductively-loaded Joel took one look and using the EZNEC protocols, came up with a design which requires no loading but remains conveniently short, being but 12.3 feet end-to-end. Moxon used a bent-wire "looks like a folded-dipole" whose wires are spaced 8 inches apart, just like an open-wire feedline, except that it radiates. Moxon's load (a coil supposedly) hooked on at the X shown in Moxon's drawing which corresponds to the "open-end" of Joel's counterpoise wire. You'll note that the counterpoise wire hooks up to an insulator at the base of his (17') vertical, which is depicted as a circular bubble". Note that in the drawing, the counterpoise hooks up to the left side of the bubble; while there is a gap between it and the wire on the right side of the bubble.

Conventional wisdom dictates that if the spacing between the folded-back wires is lessened, the counterpoise wire length would have to be lengthened, thus some experimenting is possible. Using Moxon's

illustrated "8-inch" spacing was duplicated by Joel, but if it were convenient for one to alter that spacing, some variation in the counterpoise length would be required. Obviously, more (or less) wire length would be required, suited to the spacing variation. Joel found that there is a little bit of major power-lobe skewing when using the technique, but the SWR's look like less than 2:1 across the band with a center frequency of (about) 14.15 MHz. The whole shebang is appropriate for working the antenna through an adjustable antenna-tuner; an auto-tuner would be my selection.

Joel's comments are that the short counterpoise is virtually as good as 4 or more elevated radials. He gave his blessing to us to use his material in the Ragchewer, but it would be appropriate to give him credit in the text





CARA Breakfast Raffle Radio

This month's raffle radio will be an Alinco DR-06 6m mobile radio. Hang out with us at El Camino Real Park afterward for some radio fun.

Please join us at the Katella Grill on August 12 at 8AM

CARA Name Badges

The badges are printed in three colors on 1½" by 3" gloss white aluminum stock with a magnet attachment on the back. The cost per badge is \$12.00.



Badges ordered at or before a breakfast meeting will be available for pickup at the following breakfast meeting.

Club Items For Sale

CARA 40th Anniversary T-shirts are \$10.00 each

Blue ball caps with CARA logo embroidered on them \$16.00 each

PL-259 gold pin, silver plated connectors \$2.00 each

Reducers for RG-8X are \$0.75 each.

"Breakfast Special" 2 connectors and 2 reducers \$5.00.

12 gauge red/black wire at \$0.75 per foot.

Coin cell battery holders at \$1.00 each.

CARA Equipment Pool

These items are available for checkout by members of CARA. The normal term of the loan is for 2 months (until the next breakfast meeting) unless another member requests the same item, in which case we will try to work out some way to get it transferred as soon as it is available.

MFJ 259B Antenna analyzer 1.8 – 170MHz

Daiwa CN-801 SWR bridge for 144, 220 and 440 MHz

Ratcheting crimp tool for installing Anderson Power Pole connectors.

Ragchewer Articles

Do you do something in ham radio that others might like to hear about? The Ragchewer is always looking for articles to include. Those written by members are the best as they encourage conversation on the repeaters.

If you would like to write something for the Ragchewer you can send it to ragchewer@cara.nu or mail it to Ragchewer Editor, c/o CARA PO Box 425 Garden Grove, CA 92842-0425.

Looks Like the Old Ragchewer

We need an Editor!

CARA Picnic – Trying a New Location

September 23 at Don Knabe Regional park. Bloomfield Ave. Cerritos CA. We will be somewhere on the 195th Street (North) side. More details will be posted on the website as we have them.

CARA Patches

We now have patches available for your hat, shirt or jacket. They are 2-1/2" x 4-1/2". \$3.00 each or \$5.00 for two patches. This is a picture of one.



Visit the HAMCON website for more information www.hamconinc.org. For your convenience there is a link at the bottom of the CARA main webpage www.cara.nu.

HOME PAGE	<h2>HAMCON 2017 / The 2017 ARRL Southwestern Division Convention</h2> <p>“Ham Radio for Everyone”</p> <p>September 15-17, 2017 Torrance Marriott Redondo Beach Hotel, 3635 Fashion Way Torrance, CA 90503</p> <p>“Ham Radio for Everyone” is our theme with much to see and do at HAMCON 2017:</p> <ul style="list-style-type: none">▪ Full range of talks by experts on radio equipment, operating techniques, public service, DXing, and technical subjects for hams of all levels▪ 10,300 sq. ft. Vendor/Exhibitor Hall with 63 booth spaces▪ Distinguished speakers at Saturday lunch, dinner, and Sunday breakfast▪ Extensive prize drawings▪ Operate W1AW/6 Special Event station▪ ARRL Forums▪ Young Ham Forum▪ Sunday Swap Meet▪ Discounted hotel room rates (available through our Marriott link)▪ Optional special tour of Battleship Iowa▪ Ham license tests (Saturday AM, all license classes)▪ ...and much more. <p>For questions email Diana Feinberg</p>
REGISTRATION	
HOTEL ROOMS	
MEALS	
SCHEDULE	
HOTEL LAYOUT	
TECH TALKS	
SPEAKER BIOS	
EXHIBITOR ROOM	
PRIZE DRAWINGS	
W1AW/6 STATION	
BATTLESHIP IOWA	
SWAP MEET	
OTHER EXHIBITS	
QSL CARD CHECKING	
HAM LICENSE TESTS	
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ARALB Ham University

REGISTRATION FORM

ASSOCIATED RADIO AMATEURS OF LONG BEACH AMATEUR RADIO LICENSE CLASS

Technician Class General Class Amateur Extra Class

First Name: _____ Middle Initial: _____ Last Name: _____

Call Sign: _____

Address: Street: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Email: _____

Cost: _____ \$45 _____ \$40 for ARALB members

Price includes course fee, book cost and testing fee

This class will be held at the College Medical Center, 2776 Pacific Avenue, Long Beach, 90806. The class starts promptly at 9:00 am, and it ends at about 12:00 pm. The first class will be on Saturday, September 9, 2017, and it will meet each Saturday through October 21, 2017. The exam will be on location on October 28, 2015. Total commitment will be 8 weeks.

If the student reads the assigned material, participates in class, and follows our instructions, we have found that most will pass the exam. We have a 90% pass rate so far. We have a proven track record for those who make a serious effort to prepare for their exam.

We ask that you be on time for classes to avoid any unnecessary disruptions of the class. We also ask that you turn off your cell phones prior to entering the classroom, and come prepared to take notes. You may bring water to drink, but other than that you are requested not to bring in food or drinks, which can be distracting.

To complete the registration process, print and complete this form, and with a check or money order, made out to ARALB, mail it to the address below to arrive there prior to the September 2, 2017, cutoff date for registration.

ARALB
Registration
P.O. Box 7493
Long Beach, CA 90807

CARA Members

The following members are paid for the year 2017-2018 as of 7/30/2017.

AI6AB	Mike	K7JBQ	Bill	K6RMR	Stan
KJ6AIK	Joan	KB6JES	Alan	KJ6RUB	Alex
W6AIQ	Frank	WA6JJB	Brad	K6RUV	Jay
NE6AL	Scott	Associate Member	Dorothy	KO6S	Mike
KR6AL	Frank	KR6JK	Jim	KJ6SON	Norm
W6BJK	Brooks	KK6JRX	Albert	AI6SP	Skead
N6BKL	Dan	KJ6KNH	Michael	KG6STU	Stuart
WD6CDN	Michael	N6KNW	Brad	N6TAP	John
N1CGM	Kurt	WA6KQN	George	WB7TSG	Robert
KC6CQB	Mary	KM6KTW	Mike	WY6V	Bill
KB6DNS	Greg	KG6KYS	Edmund	KB6VAN	David
AA6DP	Dan	KM6LAA	Antonio	KF6VUK	Tony
KI6DPT	Rich	K6LAC	Lee	WK6W	Robert
KG6FB	Al	N6LNX	Elfriede	K6WMC	CJ
KG6FIY	Endaf	KK6MBW	Wallace	K6WMJ	Joe
KO6H	Hank	KG6MPW	Frank	KA6WNK	Chris
N6HE	Ray	WT6N	Bruce	KG6WTQ	Robert
AD6HK	Dan	KK6OZ	Jay	AA6WV	Ernie
KK6HMP	Sam	KC6PCB	Greg	KI6WXH	Douglas
KI6HQX	Eric	KK6PET	Rebecca	KI6WXI	Jocelyn
KD6HYO	Joyce	K6PGH	Doug	W6XO	Wes
KM6IEW	PK	W6PNQ	Oscar	AG6ZR	Mark
KJ6IIM	Noreen	AK6Q	Scott	KC6ZUT	Max
KK6IVC	Steve	AF6RE	Edward		

The following members haven't renewed for 2017-2018 as of 7/30/2017 for mailed renewals and 8/4/2017 for PayPal renewals. Please report any discrepancies to the Treasurer, Dan AD6HK at info@cara.nu or mail to P.O. Box 425, Garden Grove, CA 92842-0425..

K6AAK	Amanda	K6CRW	Steve	KI6FBE	James
WB6ACU	Joe	K1CSW	Gary	AG6FG	Tim
KE6ANU	Tom	WA6CTS	Ray	KG6FIA	Julie
KI6APG	Marc	N6CU	Sandi	KM6FKR	Kip
N6AVX	Hal	KR6CV	Stan	AI6FL	David
K6BCT	Bradley	W6DAT	Duane	K6FRY	William
KK6BEB	Sean	KG6DKJ	Jeff	KM6FZX	Lou
KK6BLZ	Morgan	KC6DRR	Paul	KJ6GHT	Blackwell
KE6BNN	Dick	KJ6DZW	Steve	W9GQI	Bill
KJ6BOA	Larry	NI6E	Peter	N6GUS	Gus
N6BOP	Anne	WB6E	Art	WA6GVI	Don
WB6BXP	Randy	KI6EBN	James	KI9H	Lito
NS6C	Dennis	KD6EDS	Bob	KK6HRS	Pierson
W6CGH	Chuck	W6EEZ	Dar	WB6HXN	Cliff
KM6CND	Jeff	KJ6EMI	Joe	KK6IDX	Eric
W6COU	Gerry	W6ETC	Tom	AD6IG	Fred
W9CRJ	Brian	KJ6EVM	Roy	KJ6IHB	Linda

KJ6IKA	Mark	KD6NIM	Sid	KI6TNP	Don
KJ6IKR	Michael	KJ6NNH	Gregory	WM6U	Terry
KK6JBA	John	KJ6NXR	Les	W6UFS	Jon
N6JBR	Brent	KD6OAU	Jim	KD6UMC	Don
K6JJM	Jessie	K6OOK	Ron	KK6UOB	Matt
KB0JOU	Dick	WA6OPS	April	KI6UPJ	Bob
K5JSG	Jeremy	W6ORG	Tom	KF6UQW	Ray
K6JW	Jeff	KI6ORR	Jeniece	AI6V	Wyatt
N6KAS	Andy	K0OV	Joe	N2VAJ	Tony
KF6KEE	Devon	KC6OXD	Bob	WA6VES	Gary
K6KER	Keith	KI6PKA	Curt	W6VGR	Victor
K6KWI	Neil	KE6PLA	Edgar	K6VMD	Tom
W6LBX	Richard	KI6PMV	Lloyd	KJ6VPT	Angeles
KF6LEX	Chris	KG6QEB	David	KJ6VSL	Becky
KI6LMI	Tyler	KK6QMS	Clifford	KB1VZR	David
K6MAF	Michael	KG6QWY	Ray	W6WQA	Tim
KO6MD	Malin	KF6RQL	Phyllis	N6XJM	Ellen
KF6MEF	Bob	N6RU	Richard	KA6YNL	Giuseppe
W6MGR	Mark	N6SCI	Dennis	N5YRJ	Steve
KK6MNM	Scott	K5SEG	Susan	WB6YSS	Mary Ann
KI6MRZ	Mary Jane	KD6SF	Mike	KK6ZAV	David
N6MSR	Mike	KG6SIH	Eric	W6ZRT	Steve
KJ6MSU	Dan	W9TEN	Arthur		
KK6NCJ	John	KK6TIR	James		

MEMBERSHIP RENEWAL

Dues are \$30.00 annually (July 01 thru June 30). Additional family members are \$15.00 annually, with a maximum of \$30.00 additional. Minors (under 18 years old) are \$15.00 annually

	<u>Name</u>	<u>Callsign</u>	<u>Lic. Class</u>	<u>ARRL Member?</u>
Primary Member:	_____			
Additional Member:	_____			
Additional Member:	_____			
Address: _____				
City: _____ State _____ Zip _____				
Home Phone: (____) _____ Work/Cell: (____) _____				
Email Address: _____				

Primary Member Dues \$30 (under 18 Years \$15)	\$ _____
One (1) additional member - Add \$15	\$ _____
Two (2) or more additional members - Add \$30	\$ _____
Total Enclosed:	
\$ _____	

Unless checked, you will receive the "Ragchewer" by email at the above email address. This saves us postage and printing costs, and allows you to enjoy any pictures in crisp color!

Make checks payable to: Catalina Amateur Repeater Association (the bank does not accept checks made out to "CARA")

Catalina Island West End



Photo courtesy of Catalina Island Chamber of Commerce. www.catalinachamber.com

RAGCHEWER

Catalina Amateur Repeater Association
P.O. Box 425
Garden Grove, CA 92842-0425

Next Meeting is August 12