

# Seattlebutt

## Yankee Clipper

## Contest Club

Pres - K1AR

VP-AM - K2TR

Secy - K1GQ

no.26 Oct 1980

Treas - N1TZ

### FROM THE OVAL SHACK

It was great to see all of you at the New England Convention meeting at Boxboro. Frankly, I could not believe how many people were crammed into that room (not to mention the heat!). Many people have indicated since the last meeting to me that they got a negative sense on our goals for the future. It wasn't intended to be that way for we as a club have a lot to hold our heads high about. I would like to quote from the latest FRC bulletin to show you why I think this:

"The #2 club in the world deserves our respect. YCCC has come quite a ways in a short time. They deserve some serious consideration."

Did you boys see that?? That was the #1 contest club in the world saying that!! So, let's keep them worried this year in the CQWW by having everyone participating for as long as they can. You see, after FRC sees what we are going to do to them in the ARRL test in a few months they are going to be quoting OUR newsletter. Good luck guys....

de K1AR

### ALUMINUM

Ted Gamlin, K1OX, is planning another large buy of aluminum tubing, etc, at Edgcomb. If you want to take advantage of the substantial discount, call Ted immediately, (603) 887-4478. Don't put it off, as Ted plans to place the order very shortly after this BUTT hits the street. Yes Bob, that big signal from Chester is tuning up for the 81 ARRL DX Test.

### FOR SALE

Benchers paddles. Black base - \$30, chrome base - \$40.  
K1BW, (413) 536-7743 nights.

### ADVERTISING

If you're wondering why the Cushcraft blurb got into this issue, the answer is that they helped defray production expenses. For inside poop on how the Skywalkers work, ask K1GQ, W2YV, K2TR, K1DG, K1ZM.

## BOXBORO MEETING HIGHLIGHTS

Somewhere between 70 and 1000 YCCers convened the annual New England Division Convention meeting at 3 PM. Major results of the business meeting were:

- YCCC will again sponsor plaques for World Single-Op DXpedition CW in the CQ WW (\$50), and World Combined Single-Op in the ARRL DX Contest (\$35).
- YCCC will sponsor a hospitality suite at the NE Division Convention, and support suite expenses at the Dayton Hamvention only from funds raised exclusive of dues.
- Considerable discussion on goals and strategy for CQ WW and SS yielded a smoke-filled room.
- Nine new members were elected. They were: NLABX, KP2A, WB8BTH, KALCVM, KALDE, WALEKV, KALERF, WLIHN, and W2IQD.
- An award was announced for anyone submitting more than 300K points for YCCC in the 1980 CQ WW. The winner, to be drawn from a hat, will have his choice of two contests duped free.
- The date for the Fall meeting (in the Springfield, Mass area) was selected by vote to be 6 December.

Those who withstood the rigors of the business meeting were awarded with yet another prize-winning performance from DG Productions, with guest-director N2NotThere. The show featured Dating Game host Doug with YL KALESR, interviewing a select panel of testers - WillyBilly5WillyBillyWilly (played perfectly by WA2OVE), JA superstar NQ7X (impersonated by AF10), NLEE (ably imitated by Nlditdit), and finally, Richard, WhiskeyRotten3Jerk (K1EA didn't seem comfortable in this role.) If you weren't there, you may never learn which tester won Karen's approval, or why Miller Light is the Contester's Beer.

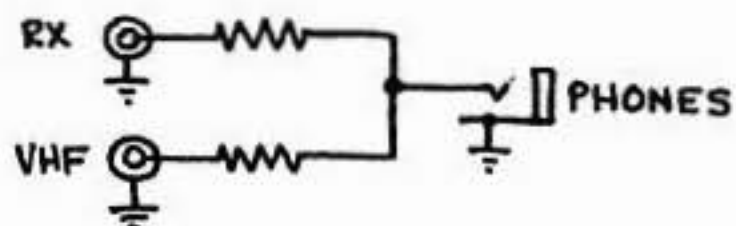
## SPOTTING NETS

If you are entering a multi-op class in the WW, you can help yourself and others by participating in a spotting net on VHF FM. The general idea is to announce the callsign (phonetically) and frequency of a rare multiplier before the monster pileup gets started. Don't forget that if you are a single-op, use of the repeater for spotting places you in the multi-single category.

The YCCC spotting net operates on 220 MHz, using a repeater supported by N1TZ and K1SF. If you have trouble hitting this machine, try the Southern New England DX Association linked repeaters (144/220 MHz), or the K1OX repeater (coverage from Maine to Conn.) Input/Output frequencies are:

YCCC	222.62	/	224.22
SNEDXA	147.66	/	147.06
	223.06	/	224.66
K1OX	147.705	/	147.105

If you can't spare someone to man the VHF rig, the following passive mixing circuit works well at K1GQ -



The resistors aren't critical - GQ uses 9 ohm/2 watt.

## WERE YOU AT BOXBORO?

There are indications that some of the meeting attendees missed the sign-in sheet. If you don't recall scribbling on it during the meeting, please check with K1GQ, so we can keep our ARRL eligibility records up-to-date.



# ROSTER UPDATES

K1AR W: (617) 273-0480 x356  
 N1AS Larry Purcell  
 146 Armour St  
 New Bedford, MA 02740  
 N2FB/3 7919 Towers Court Rd  
 Severn, MD 21144  
 N2IC W: (201) 561-7100 x2322  
 K1MEM W: (617) 577-2000 x4145  
 WA1PDG 277 Main St  
 K2PH W: (201) 561-7100 x2435  
 39 Arlyn Dr  
 Howell, NJ 07731  
 W2SQ W: (212) 785-6023  
 H: (201) 635-5488  
 WA1TZV W: (617) 275-5160 x7068  
 K1VR W: (617) 259-0333

## new members

N1ABX Earl Edighoffer  
 1500 Worcester Rd  
 Apt 330E  
 Framingham, MA 01701  
 W: (617) 899-2719  
 H: (617) 872-5085  
 KP2A John Ackley  
 Box 10245  
 St Thomas, VI 00801  
 WB8BTH Jeff DeTray c/o Bailey  
 Old Hancock Road  
 Hancock, NH 03449  
 W: (603) 924-3873  
 H: (603) 525-3796  
 KA1CVM Martin Polstein  
 20 Cushman St  
 Augusta, ME 04330  
 H: (207) 622-6967  
 KA1DE Snooky Thompson  
 15 Crestview St  
 Keene, NH 03431  
 H: (603) 352-2294  
 WA1EKV Chuck O'Neal  
 PO Box 231  
 Bolton, MA 01740

W: (617) 779-5051  
 H: (617) 779-5051  
 KA1ERF Julie Czajkowski  
 same as N1TZ  
 W1IHN Bert Michaud  
 43 River Rd  
 Lowell, MA 01852  
 H: (617) 459-6774  
 W2IQD Dan Fox  
 5 Heritage Dr  
 Merrimack, NH 03054  
 H: (603) 424-6802

## GOODBYE

Bill Ovca, N1GL, has moved to Kentucky. We will certainly miss Bill's multi-megapoint scores, but wish him well from N4AR, etc. We plan to keep in touch through the SCUTTLEBUTT, available to "non-members" for \$5/year.

The following testers (?) have neither paid dues nor attended a meeting for at least two years: KA1BDI, K1CE, N1DM, W1FJI, W1GSH, WA1HFN, K1HMO, N1HO, K1KYI, K1MK, W1RQ, WA8SWM, W1UR, W1XS. So long.....

## THE DREADED RED X

Examine your mailing label; if it is disfigured by a red mark, you have not paid your dues. The perils of this malady are horrible to contemplate. For example, you will not receive the YCCC Contest Notebook, updated for the 80/81 contest season, and YCCC can't claim you as a eligible member for CQWW or SS contests. Fortunately, the cure is known - mail \$10 to Bob Czajkowski (N1TZ), North Brookfield Rd, Spencer, MA 01562. Pleeze, no IRCs.

79 CQ WW AUTOPSY  
(K1DG)

The tables on the next pages summarize the entries which (should have) contributed to the YCCC 1979 CQ WW club competition. The tally is some 3,329,951 points higher than the published club score, most likely due to eligible members not dedicating their score to YCCC on their summary sheets. THIS IS VERY IMPORTANT!!! The eligibility list supplied by the club secretary to the CQ Committee WILL NOT automatically connect your score with YCCC.

Many more points were "lost" because members did not pay their dues prior to the contests, and thus did not appear on the list of eligible members. Although this condition for eligibility is not imposed by CQ, it is required by our Constitution and By-Laws, and enforced by your officers. There are no exceptions.

The following YCCC members joined after the '79 WW, so their entries do not appear in the tables: KA1EP, WA1ZAM, K2QF, K1IJU, WB2ITR (is this roger?), W1HNZ. The K1CO/PJ7 entry (phone multi-multi) was omitted from the final results by CQ, due to confusion over licensing. This 18 million point effort by N1AU, K1CO, K1DH, W1HCS, W1XK, K2MM, K2TR, and K2WR, combined with the 3.3M "lost" points would have put YCCC well over the 100 million point mark.

Last year, Frankford celebrated their 50th birthday by walking all over us with 173 million points, thereby raining on our third birthday parade. Here's how they did it, and some suggestions on how we can keep it closer this year.

First of all, our single ops are very good, averaging almost 800K each, 60% higher than the average FRC single op. Also

consider that 9 of our single ops were single band entries! If each of our single-band entrants had instead entered the all band category, making the average YCCC single op score, we would have tied FRC's single ops with 31 FEWER entries. Think what could be done if we had 71 single op scores.

Let's talk multi-single. Our average m/s had a higher score, and in fact if we had 5 more, we would have beaten FRC in this category as well. I think a lot of guys in the club go single band on 10, 15, or 20 because staying up all night chasing multipliers on 40 and 80 just isn't a lot of fun, and that makes it hard to compete all-band. These guys should find a hotshot high school kid operator from a local club and give him a chance to use a "big station" in a contest. Going multi-single this way is a lot of fun, and a chance to drum up a new member for the club.

The class where we really took the pipe was multi-multi. Even though we had a higher average score than FRC, they just plain outnumbered us. Bear in mind that W2PV was not active either mode, but that would have only added 15 or 20 million points and two entries. Most of the multi-multis in FRC are the three-op, two-rig plus spotting net type. We can play that game also. Elsewhere in this issue is a list of available repeaters which we can use, both on 220 and 144. If you have an old tribander gathering dust in the garage, slap it up on the side of the tower pointed at Europe, have a couple of guys come over with another rig, fire up the two meter FM rig, and...PRESTO!...instant multi-multi. You may not be able to blow N2AA off the bands, but your 5BDXCC total will jump nicely.

The last entry class above is the DXpedition class. The CQ rules allow club members on DXpeditions to submit their scores on behalf of their home club. This category



## SINGLE-OP ALL-BAND PHONE

W1ZM	3,035,790	K1ZM op #2 USA
W1RR	1,685,440	
K2DM	1,583,349	
N2IC	1,499,339	
W1OO	1,259,520	
K2XA	853,596	
K1IU	776,652	
K2PH	741,510	
K2VV	721,142	
N1RI	191,880	
K1GQ	161,800	
K1SA	116,219	
N1EE	50,778	
W1SD	45,458	
W1XX	17,864	

## SINGLE-OP ALL-BAND CW

K1AR	2,635,224	#1 USA (record)
W1ZM	2,368,968	#3 USA
W1RR	1,935,549	
K1DG	1,867,455	
W1KM	1,840,440	
N1GL	1,456,420	
W2YV	1,435,152	
K2DM	1,231,155	
K1RX	1,081,598	
W1GG	602,196	
W1FJ	383,130	
W1UZH	272,154	
K2VV	178,947	
W1OO	175,071	
W1SD	34,684	
N1AU	23,808	

## SINGLE-OP SINGLE-BAND

WOMHK/M2	20,244	28 MHz	SSB	
W2TA	214,200	14 MHz	SSB	#6 US
W1ANT	205,084	"	"	"
W1GG	186,184	"	"	"
AG1C	71,764	28 MHz	CW	
K1SA	309,750	14 MHz	CW	#6 USA
W1YN	254,750	"	"	"
K1MEM	24,780	3.5 MHz	CW	#3 US
W2IB	2,632	1.8 MHz	CW	#4 US

## MULTI-SINGLE PHONE

N1TZ	2,290,946	+K1FIR, KNQ, SF, W1BR, W1UZH, 1nm #9 USA
K1RU	2,063,390	+K1YR, 1nm
W1YN	1,591,320	+AG1C
K1RQ	1,415,730	+W1ZT, 1nm
K1GW	1,006,675	+K1KA, 1nm
K1IK	694,899	+2 nm
K2GBH	430,430	+WA2KCL, STM
W1BK	363,656	+N1CW, 2nm
N1ACJ	89,199	+KA1BBD

## MULTI-SINGLE CW

K1RQ	1,692,972	+W1ZT #10 USA
K2XA	1,501,115	+1nm
W2YX	1,445,980	+1nm
K1IK	1,238,433	+N1RI
N1TZ	1,218,992	+K1FIR, KNQ, W1BR
K2OY	1,016,937	+WA2STM

## MULTI-MULTI PHONE

W2YV	7,405,846	+K1EB, N2NT, W2SQ, YX, 1nm #3 US
K1VR	3,030,511	+AF10, K1MEM, W1FJ, 1nm at K1MM
K1RX	2,888,235	+K1HI, WB

## DXPEDITIONS

N1GL/VP9	3,962,635	s/o phone #1 NA #9 World
VS6DO	1,020,672	s/o phone K1MM op #8 Asia
FROMM	978,012	s/o cw 28 MHz K1MM op #2 world African record
HI8XWP	9,872,267	m/s phone K1AR, DG ops #1 world world record
NP4A	7,982,576 (3,193,030)	m/s cw N2NT, K2TR +3nm #1 world world record
VP2KC	37,770,012 (1,716,819)	m/m phone N5UR +21 nm #1 world world record
TG0AA	2,411,520 (1,205,760)	m/m cw W1XX +1 nm

YCCC SUMMARY					
#entries	category	#ops	points	points/op	
15	s/o a/b f	15	12,740,337	849,356	
16	s/o a/b c	16	17,521,951	1,095,122	
9	s/o s/b	9	1,289,388	143,265	
9	m/s f	22	9,946,245	452,102	
6	m/s c	12	8,114,429	676,202	
3	m/m f	12	13,324,592	1,110,383	
0	m/m c	0	0	-	
7	dx	9	21,949,195	2,438,799	
65	all	95	84,886,137	893,538	

notes:

"nm" means non-member  
published score was 81,556,186  
64 different YCCC members participated  
34 members entered on both modes  
110 members were eligible.

YCCC				FRC		
CLASS	ENTRIES	POINTS	P/E	ENTRIES	POINTS	P/E
single-op	40	31.6	.79	71	37.2	.52
m/s	15	18.1	1.2	24	23.0	.96
m/m	3	13.3	4.9	17	59.2	3.5
DXped	7	21.9	3.1	4	54.4	13+
totals	65	84.9		116	173.8	

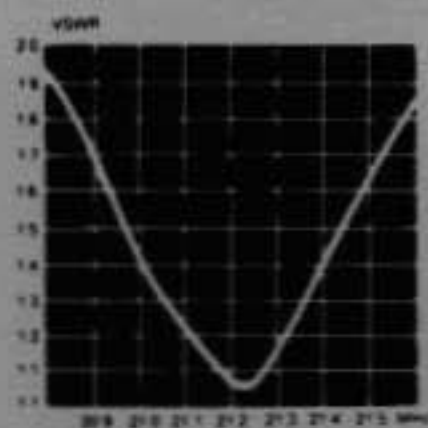
is won pretty much by the luck of the draw (whoever has the best connections in the Caribbean), and there's no way to plan to win it without asking for a big financial sacrifice on the part of the membership. It's interesting to note a couple of facts about last year's contest in this class. First, FRC had only 4 DX entries, but ALL WERE MULTI-MULTI. Although we had 7 entries, none were multi-multis which were staffed completely by YCCC members. Note also that FRC once wrote a letter to CQ suggesting that DX scores be excluded from the club aggregates because they were "men of average means, and couldn't afford to compete on that basis". Guess someone down there struck it rich in the past two years.

The net result of all this is that we could have been much more competitive if we just had more entries. FRC fielded 116 entries - nearly double our total. We could have done that. And don't give me

that crap about how they have more members than we do. As of the current rosters of both clubs, they have exactly one more member than we do. And whoever he is, he's not going to make 89 million points by himself.

Two weeks ago in Boxboro there were a lot of people at the meeting who grimaced at the suggestion that we should resign ourselves to number two status for a long time. Most everybody thought that we should try to win it all. That's a noble goal, but one which can't be achieved by talking about it and hoping that somebody else will do the work of making QSOs. If you want YCCC to be number ONE, then YOU have to get on the air and operate in the contests. There's no other way and nobody can make your share of the points for you. Every score helps. The only score that doesn't help the club is a zero. So turn on your rig and work the boys!





# Skywalker

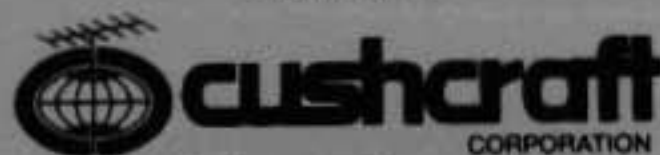
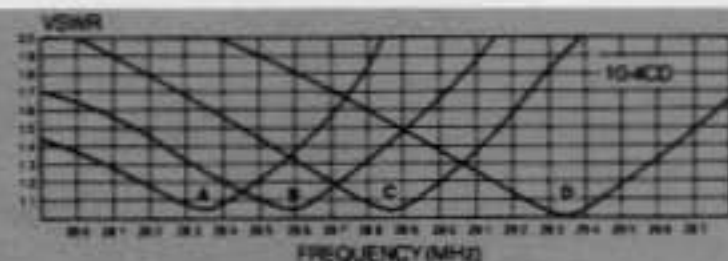
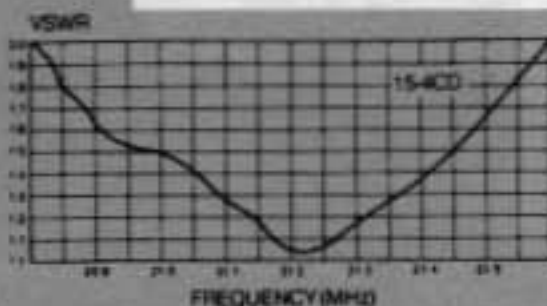
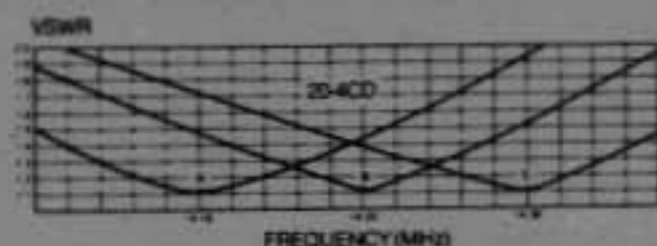
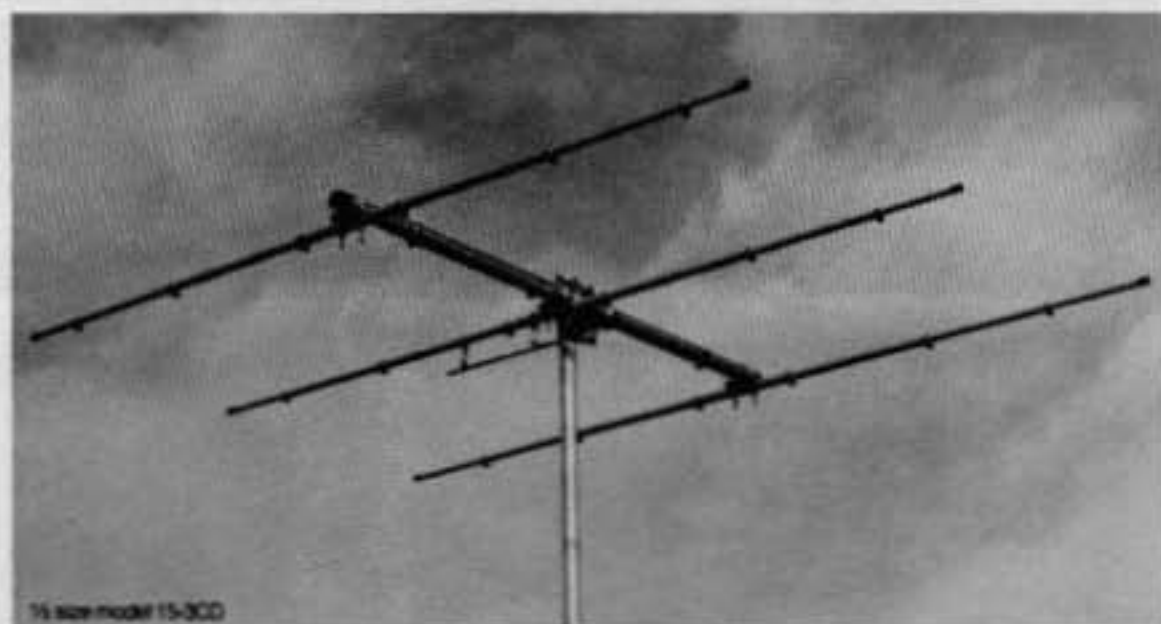
3 and 4 Element Single Band HF Yagis

More contacts, less waiting, less interference, and a better signal at the other end are yours with the Skywalker series of single band Yagis. The 10dBd forward gain of the 4 element models will put you first in line. See the chart for all the details.

Heavy wall heat treated 6063-T832 aluminum tubing, ruggedly plated steel fasteners, and carefully formed aluminum brackets. Assembly is simple with the new Cushcraft Boom Assembly Marking System. The rugged yet light construction will result in easier assembly and installation and long life. Join the thousands that are moving up to Cushcraft Skywalkers now.

## Specifications

Model number	20-4CD	20-3CD	15-4CD	15-3CD	10-4CD	10-3CD
Frequency range (MHz)	14.0-14.35	14.0-14.35	21.0-21.45	21.0-21.45	28.0-29.7	28.0-29.7
Forward gain (dBd)	10.0	8.0	10.0	8.0	10.0	8.0
Front to back ratio (dB)	30	30	30	30	30	30
Boom length (ft) (m)	32 9.75	18 5.49	20 6.10	14 4.27	17 5.18	12 3.66
Boom dia. (in) (cm)	2 1/4" - 1 1/2" 5.4-4.8	2 1/4" - 1 1/2" 5.4-4.8	2" - 1 1/2" 5.1-4.1	1 1/2" - 1 1/8" 4.8-4.1	1 1/2" - 1 1/8" 4.4-3.8	1 1/2" - 1 1/8" 4.1-3.8
Longest element (ft-in) (m)	35-10 10.92	35-8 10.87	23-4 7.11	23-2 7.06	17-10 5.43	17-6 5.38
Element dia. (in) (cm)	1 1/2" - 1 1/8" 3.1-1.3	1 1/2" - 1 1/8" 3.1-1.3	1" - 3/4" 2.5-1.6	1" - 3/4" 2.5-1.6	1 1/2" - 1 1/8" 2.2-1.6	1 1/2" - 1 1/8" 2.2-1.6
E-plane Bwidth (deg)	60	56	57	56	57	56
Side lobe attenuation (dB)	40	40	40	40	40	40
1.5:1 VSWR Bandwidth (KHz)	300	800	500	500	600	700
Turning radius (ft-in) (m)	20 6.10	23 7.01	15-4 4.67	13-6 4.11	14 4.27	10 3.05
Weight (lbs) (kg)	55 24.95	30 13.61	25 11.34	20 9.07	18 8.16	11 5.00
Windload (sq ft) (sq m)	8.1 0.75	5.5 0.51	4.5 0.42	3.4 0.32	3.1 0.29	2.3 0.21



The Antenna Company  
48 Perimeter Road, P.O. Box 4680  
Manchester, NH 03108

## Two Meter Boomers

Whether you have the space for the 3.2  $\lambda$  32-19 or the compact 2.2  $\lambda$  models, two meter Boomers are your best choice. They offer the maximum gain available for their boom length (See NBS no. 688). They feature trigon reflectors for additional front-to-back ratio and clearer patterns. All stainless steel hardware and heavy gauge heat treated aluminum are used throughout. Whatever your choice of two meter amateur activity, the Boomer will fill your needs. For FM use the 226FB or 214FB. For CW/SSB on the low end use 32-19 or 214B, in EME, DX or just reliable QSOs Boomer will perform for you.

## Six Meter Boomer

The new six meter Boomer offers more boom and more gain from its new element spacing. The six meter Boomer has Cushcraft's typical attention to detail, including T match feed with balun, and extra heavy duty mechanical construction. The key to this Boomer's super performance and relatively lightweight is special element spacing and boom length.

### Specifications

Model No.	32-19	214B	214FB	226FB	617-6B
Frequency range (MHz)	144-146	144-146	144.5-146	144.5-146	50.0-51
Forward gain (dBi)	16.2	15.2	15.2	16.2	14
Front to back ratio (dB)	24	24	24	24	30
E-plane B/wth (deg)	2x14	2x17	2x17	2x17	2x19
H-plane B/wth (deg)	2x17	2x18	2x18	2x9	NA
Side lobe attenuation (dB)	>60	>60	>60	>60	>60
SWR less than (typ)	1.2:1	1.2:1	1.2:1	1.2:1	1.2:1
Impedance (ohms)	50	50	50	50	50
Recommended stacking distance					
E-plane (ft)	14	10	10	10	NA
E-plane (m)	4.27	3.05	3.05	3.05	NA
H-plane (ft)	12	10	10	10	22.5
H-plane (m)	3.66	3.05	3.05	3.05	6.86
Weight (lbs)	12	8	8	22	26
(kg)	5.44	3.63	3.63	9.96	11.79
Length (ft)	22	15	15	15	34
(m)	6.71	4.57	4.57	4.57	10.36
Longest element (in)	40 1/2	40 1/2	39 1/2	39 1/2	113 1/2
(cm)	102.5	102	100.3	100.3	289
Turning radius (ft)	11	7.5	7.5	8.5	17.7
(m)	3.35	2.29	2.29	2.90	5.39
Windload (sq ft)	3.5	1.7	1.7	4.0	4.8
(sq m)	.33	.16	.16	.37	.45

### Stacking Kits

For stacking two Boomers, use the following coax harness and power divider kits.

32-19 = 32-SK 214B = 22-SK 617-6B = 617-SK

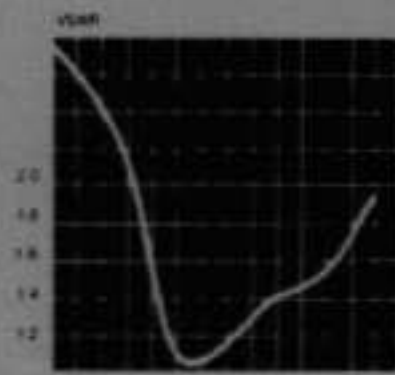
When stacking four Boomers, use the following complete stacking kits. They include H frame, harness, hardware and complete instructions.

32-19 = 324-SK 214B = 224-SK

### Specifications, Stacked Boomers

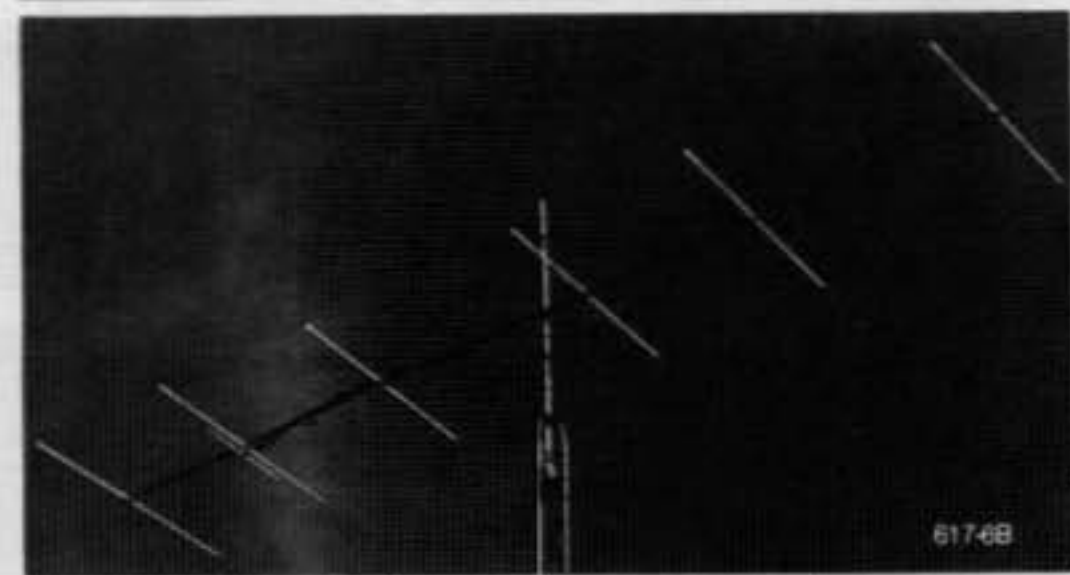
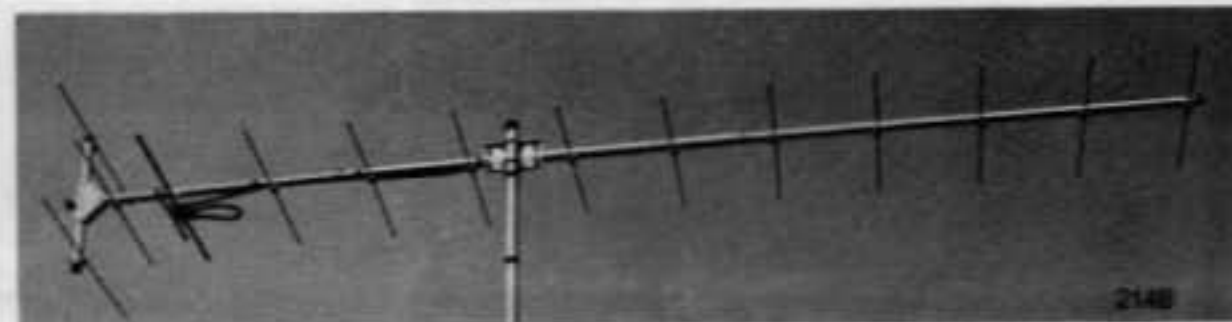
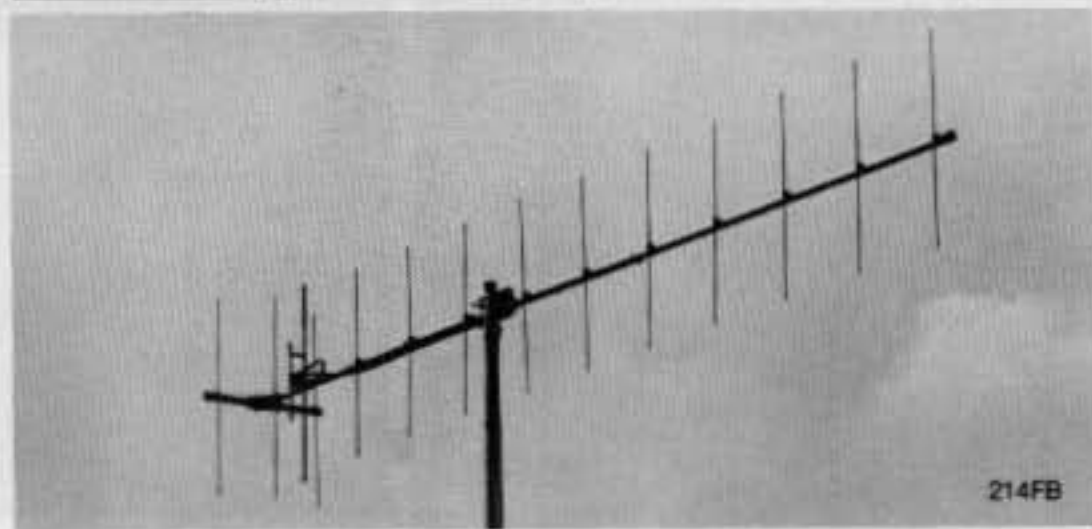
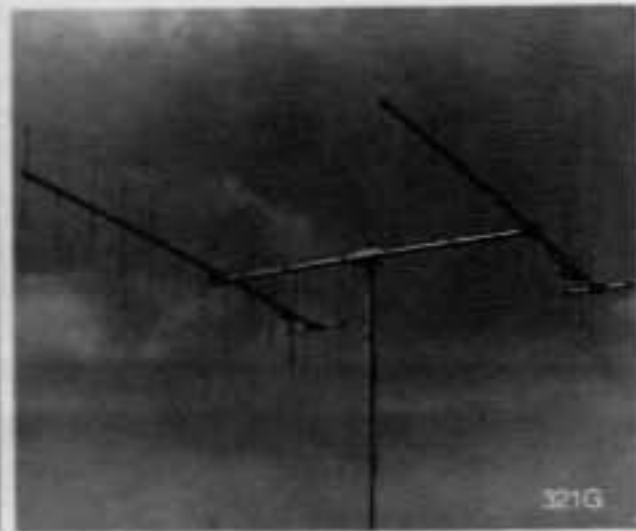
Antenna	2x214B	2x32-19	2x617-6B	4x214B	4x32-19
Forward gain (dBi)	17.6	16.8	16.6	20.2	21.2
Front to back ratio (dB)	24	24	30	24	24
E/H plane beamwidth (deg)					
E-plane	34*	28*	35*	17*	12*
H-plane	19*	17*	20*	18*	15*
Stacking dist. Vert. (ft)	10	12	34	10	12
(m)	3.05	3.66	10.36	3.05	3.66
Horiz. (ft)	—	—	—	10	14
(m)	—	—	—	3.05	4.27
Wt approx (lb)	18*	26*	62*	69	97
(kg)	8.16	11.79	28.12	31.30	44.00
Turn radius (ft)	9	11	18	9	13.4*
(m)	2.74	3.35	5.49	2.74	4.06
Wind Area (ft <sup>2</sup> )	3.4*	7.0*	9.6*	6.3	15.2
(sq m)	.32	.65	.89	.77	1.41

(\*) 1 + 2.6dB (4) 1 + 2.6 + 2.4 \*Support mast not included  
The nominal dimensions and weights listed are for complete arrays. The antennas and stacking kits must be ordered separately.



# Boomer

6 and 2 meter High Performance Yagis



The Antenna Company  
48 Perimeter Road, P.O. Box 4680  
Manchester, NH 03108



## Announcing:

# The 1980 CQ World-Wide DX Contest

Phone: October 25-26 & C.W.: November 29-30  
Starts 0000 GMT Sat. Ends 2400 GMT Sunday

**I. OBJECTIVE:** For amateurs around the world to contact other amateurs in as many zones and countries as possible.

**II. BANDS:** All bands, 1.8 thru 28 MHz.

**III. TYPE OF COMPETITION:**

1. Single Operator (Single band, and all band). Single operator stations are those at which one person performs all of the operating, logging, and spotting functions. The use of DX spotting nets or any other form of DX alerting assistance places the station in the Multi-Operator category.

2. Multi-Operator (all band operation only).

a. Single Transmitter, only one transmitter and one band permitted during the same time period (defined as 10 minutes). Exception: One—and only one—other band may be used during the same time period if—and only if—the station worked is a new multiplier. Logs found in violation of the ten-minute rule will be automatically reclassified as multi-multi to reflect their actual status.

b. Multi Transmitter (no limit to transmitters but only one signal per band permitted).

c. All transmitters must be located within a 500 meter diameter or within the property limits of the station licensee's address, whichever is greater. The antennas must be physically connected by wires to the transmitter.

3. QRPp (single operator only) Power must not exceed 5 watts output. Stations in this category will be competing only with other QRPp stations for awards.

**IV. NUMBER EXCHANGE:** Phone: RS report plus zone (i.e. 5705). C.W.: RST report plus zone (i.e. 57905).

A station in a zone or country different than that indicated by its call sign is required to sign portable.

**V. MULTIPLIER:** Two types of multiplier will be used.

1. A multiplier of one (1) for each different zone contacted on each band.

2. A multiplier of one (1) for each different country contacted on each band.

Stations are permitted to contact their own country and zone for multiplier credit. The CQ Zone Map, DXCC country list, WAE country list and WAC boundaries are standards.

**VI. POINTS:** 1. Contacts between stations on different continents are worth three (3) points.

2. Contacts between stations on the same conti-

nent but different countries, one (1) point. Exception: For North American stations only, contacts between stations within the North American boundaries count two (2) points.

3. Contacts between stations in the same country are permitted for zone or country multiplier credit but have zero (0) point value.

**VII. SCORING:** All stations: the final score is the result of the total QSO points multiplied by the sum of your zone and country multiplier.

Example: 1000 QSO points x 100 multiplier (30 Zones + 70 Countries) = 100,000 (final score).

**VIII. AWARDS:** First place certificates will be awarded in each category listed under Sec. III in every participating country and in each call area of the United States, Canada, and Asiatic USSR.

All scores will be published. To be eligible for an award, a Single Operator station must show a minimum of 12 hours of operation. Multi-operator stations must operate a minimum of 24 hours. A single-band log is eligible for a single-band award only. If a log contains more than one band it will be judged as an all-band entry, unless specified otherwise.

In countries or sections where the returns justify, 2nd and 3rd place awards will be made.

All certificates and plaques will be issued to the licensee of the station used.

In the QRPp category certificates will be awarded for single operator only.

**IX. TROPHIES & PLAQUES (Donors)**

**PHONE**

**Single Operator, All Band**

World - Bill Leonard, W2SKE

World - QRPp - Adrian Weiss, K8EEG

U.S.A. - Potomac Valley Radio Club

\*Canada - Jack Baldwin, VE3BS

Carib./C.A. - Jim Neiger, N6TJ

Europe - W4BYV Operators

Africa - Gordon Marshall, W6RR

\*Asia - Japan CQ Magazine

\*Japan - Palm Garden Contest Club

Oceania - No. California DX Club

**Single Operator, Single Band**

World - K2HLB Memorial, No. Jersey DX Assoc.

\*World - 21 MHz - Lee Wical, KH6BZF

World - 3.8 MHz - Fred Capossela, K6SSS

U.S.A. - 3.8 MHz - Arnold Tamchin, W2HCW

U.S.A. - So. California DX Club

\*Canada - Gene Krehbiel, VE7KB

Carib./C.A. - Pedro Piza, Jr., KP4RF

Oceania - 14 MHz - VYQJW Memorial, Pacific DX Net

\*So. America - Rafael Ponce de Leon, CX3BR

**Multi-Operator, Single Transmitter**

World - Don Wallace, W6AM

\*Canada - Calgary Amateur Radio Assoc.

**Multi-Operator, Multi-Transmitter**

World - Radio Club Venezolano

U.S.A. - Dale Hoppe, K6UA

Europe - Bob Cox, K3EST

**Contest Expeditions**

World - Single Opr. - Stuart Meyer, W2GKH

World - Multi-Opr. - Bill Schneider, K2TT

**Special - Single Operator, All Band**

World - Phone/C.W. - John Knight, W6YY

**C.W.**

**Single Operator, All Band**

World - W2AB Memorial (Albert Kahn, K4FW)

World - QRPp - Gene Walsh, N2AA

U.S.A. - Frankford Radio Club

\*Canada - Canadian DX Association

Carib./C.A. - Jim Neiger, N6TJ

Europe - W3AU Operators

Africa - Gordon Marshall, W6RR

\*Asia - Japan CQ Magazine

\*Japan - Palm Garden Contest Club

Oceania - Maui Amateur Radio Club

**Single Operator, Single Band**

World - W2JT Memorial, No. Jersey DX Assoc.

World - 3.5 MHz - Fred Capossela, K6SSS

U.S.A. - No. Illinois DX Association

\*Canada - Canadian Amateur Radio Federation

Carib./C.A. - DX Club of Puerto Rico

\*Europe - 14 MHz - G2LB Memorial (From Friends)

Oceania - 21 MHz - Pacific R.A.T.S.

\*So. America - Rafael Ponce de Leon, CX3BR

**Multi-Operator, Single Transmitter**

World - Anthony Susen, W3AOH

**Multi-Operator, Multi-Transmitter**

World - Hazard Reeves, K2GL

U.S.A. - Rush Drake, W7RM

**Contest Expeditions**

World - Single-Opr. - Yankee Clipper Contest Club

World - Multi-Opr. - Bill Schneider, K2TT

**Clubs**

World - Phone/C.W. - CQ Magazine

\*Special - Phone/C.W. - Southeastern DX Club

\*Trophy supplied by Donor.

Trophy winners may win the same trophy only once within a three year period. (This does not apply to any of the Club or CQ Special Awards.)

A station winning a World Trophy will not be considered for a sub-area award. That Trophy will be awarded to the runner-up of that area.

The Canadian, Carib./C.A. and the African awards are for residents only. A resident is defined as one living in that country with an established Post Office address.

**X. CLUB COMPETITION:**

1. The club must be a local group and not a national organization.

2. Participation is limited to members operating within a local geographic area (except for DXpeditions especially organized for operation in the contest and manned by members).

3. To be listed, a minimum of 3 logs must be received from a club and an officer of the club must submit a list of participating members and their scores, both on phone and c.w.

**XI. LOG INSTRUCTIONS:**

1. All times must be in GMT.

2. Indicate zone and country multiplier only the FIRST TIME it is worked on each band.

3. Logs must be checked for duplicate contacts, correct QSO points and multipliers. The original log must be sent in. Recopied logs must be accompanied by a photocopy of the original log.

4. Use a separate sheet for each band.

5. Each entry must be accompanied by a Summary sheet showing all scoring information, category of competition, contestant's name and address in BLOCK LETTERS and a signed declaration that all contest rules and regulations for amateur radio in the country of operation have been observed.

6. Sample log and summary sheets and zone maps are available from CQ. A large self-addressed envelope with sufficient postage or IRC's must accompany your request.

If official forms are not available, make up your own 80 contacts to the page on 8 1/2" x 11" paper.

7. All entrants are required to submit cross-check sheets for each band on which 200 or more QSO's were made. All other entrants are encouraged to submit cross-check sheets.

8. For each duplicate contact that is removed from a log by the committee, a penalty of three additional contacts will be exacted.

9. QRPp stations must indicate same on their summary sheets and state the actual maximum power output used, with a signed declaration.

**XII. DISQUALIFICATION:** Violation of amateur radio regulations in the country of the contestant, or the rules of the contest, unsportsmanlike conduct; taking credit for excessive duplicate contacts; unverifiable QSO's or unverifiable multipliers will be deemed sufficient cause for disqualification. (Incorrectly logged calls will be counted as unverifiable contacts.)

Disqualification can also result in the disqualified operator(s) being barred from competition in all CQ contests for a period of up to three years.

Actions and decisions of the CQ Contest Committee are official and final.

**XIII. DEADLINE:** All entries must be postmarked NO LATER than December 1, 1980 for the Phone section and January 15, 1981 for the C.W. section. Indicate phone or c.w. on envelope.

Phone logs go to: Bob Cox, K3EST, 5801 Huntland Drive, Temple Hills, MD 20031.

C.W. logs go to: Larry Brockman, N6AR, 7164 Rock Ridge Terrace, Canoga Park, CA 91307

Logs may also be sent to CQ magazine, 76 North Broadway, Hicksville, NY 11801. However, we prefer that they be sent directly to either Bob Cox, K3EST or Larry Brockman, N6AR at the above addresses.

YCCC  
Box 501  
Hollis NH 03049

FIRST CLASS

# CALENDAR

25 Oct CQ WW phone  
1 Nov Sweepstakes CW  
8 Nov (OK DX test)  
15 Nov Sweepstakes phone  
22 Nov Midnight Special  
29 Nov CQ WW CW

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6 Dec YCCC Official Meeting

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13 Dec ARRL 10m test