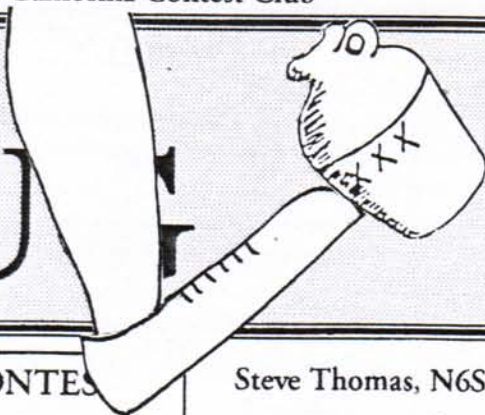


The

JUG

CLUB REPEATERS W6RGG/R  
147.24,(+), 444.200 (107.2 PL)



**APPROACHING CONTESTS**

de AE6Y

All in QST, Oct., except as noted

**October**

- 9-11 VK/ZL CW
- 16-17 Worked All Germany
- 16-17 RSGB 21/28 mHz
- 16-17 JARTS RTTY (Sept. p. 115)
- 30-31 CQ WW Phone (CQ Sept., p.88)

**November**

- 6-7 SS SS SS SS SS CW CW CW CW  
Kill, kill, kill, kill!
- 13-14 European dx Rtty (July, p. 110)
- 20-21 SS SS SS SS PH PH PH PH  
Kill, kill, kill, kill!
- 27-28 CQ WW CW

Steve Thomas, N6ST

**Presidential Proclamations**

Well, how did you do in CQP? A ton of people had a lot of fun in the party. I hope you were one of them. This was the first event in the (shall I be so bold?) NCCC Triple Crown. The other two events are the phone and CW editions of Sweepstakes.

For details and rules look in last month's Jug. You do need to make one change in the rules stated therein. The reference stating 100 contacts - that is incorrect. It should say 150 contacts minimum in each of the three events with a minimum of 1000 contacts total between the three events. (Ed. note: See also correction memo at left.)



Clear the weekends for sweepstakes and plan to have a lot of fun, improve your code speed and help the Northern California Contest Club repeat as the number 1 club in the U.S. KB! If you can't get on for the entire contest, do what you can. If you don't have a place to operate, put the word out and find a home. We're going for all the marbles in this contest. Your score could be the one that makes a difference between winning and coming in second. With the dropping sunspot number we have to be sure our lowband antennas are as effective as possible to maximize our multipliers in Sweepstakes. Washington, Oregon and Nevada are often in our skip zone on 20 meters, but are easy shots on 40 and 80 meters.

To learn what you can do to maximize your effectiveness on the low bands without having to mortgage the house and kids for a monster tower and beam be sure to come to the October meeting. At the October meeting we will have two of the local experts in low band DXing talking about the care and feeding of effective low band antennas. The speakers will be Ted Algren, KA6W, and Garry Shapiro, NI6T. Eat at 6:30 PM, meet at 7:30 PM at the Hewlett Packard Cafeteria, 5301 Stevens Creek Blvd, Santa Clara.

**CAPPING IT**

NCCC Award Announcement correction In the September JUG it was stated that a baseball cap would be awarded to those who make

- 1) 1000 QSLs combined in CQP, SS Phone and SS CW, and
- 2) Make at least 100 QSOs in each of the three contests.

Wrong. It is 150 Qs per contest, not 100 as incorrectly announced last month.

**What's Inside**

- Amateur Population Density Map ..Page 8
- Andy's Dandies and Scores .....Page 7
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- ARRL SS Forms .....Page 5 /6
- Bulletin Board .....Page 4
- CW Sprint Scores .....Page 4
- Last Meeting .....Page 3
- Mark Your Calendar .....Page 2
- Next Meeting Map .....Page 2
- Treasury Notes .....Page 2

**NEXT MEETING**

Friday, October 15, 6:30 for Pizza 7:30 for meeting

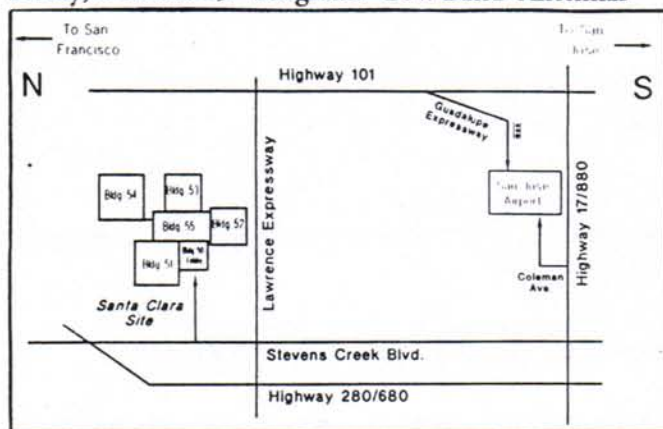
Hewlett Packard . Santa Clara

EFFECTIVE LOW BAND ANTENNAS

Ted Algren, KA6W and Garry Shapiro, NI6T

## Directions and Map NEXT MEETING

Friday, October 15. Program: Low Band Antennas



From North on 280, exit at Stevens Creek Blvd., turning left onto Stevens Creek, and left at first stop light.

From South on 280, exit Lawrence Expressway, take middle lane and make left turn onto Stevens Creek.

### MARK YOUR CALENDAR!

Make a note on your calendar now to keep the following dates open for NCCC events you won't want to miss:

**December 16 (Sunday)** is the NCCC Christmas Banquet. Starting at 6:00 p.m., we will have a complete banquet (choice of fish or beef, plus salad, dessert, and coffee/tea/milk) for \$28/person. Space is limited to 60 persons, so better get your reservation in early. For reservations, contact Bruce, AA6KX, via packet, Internet address sawyer@twg.com, or via telephone (408-741-0518).

**March 19 (Saturday)** we will return to the Pleasanton Hotel for our annual awards banquet. Keep the date open, but for now concentrate on your rate and you'll be sure to go home from this bash knowing you were a winner.

de Bruce Sawyer, AA6KX

### NORTHERN CALIFORNIA CONTEST CLUB

President, Steve Thomas, N6ST  
 Vice-President/Contest Chr, Andy Faber, AE6Y  
 Sec/Treas, Bruce Sawyer AA6KX  
 Director, Al Maenchen, AD6E  
 Director, John Zapisek, K2MM  
 Director, Bob Wilson, N6TV  
 Director, Ed Muns, W0YK  
 JUG Editor John Troster, W6ISQ  
 82 Belbrook Way Atherton, Ca., 94027  
 Publisher, Maggie Troster, KC6NFE

The JUG is the official journal of the NCCC, published monthly. Copies are mailed to members whose dues are up-to date. Material submitted for publication must be received no later than the last Monday of the month.

De AA6KX

## TREASURY NOTES

We are pleased to report that all but 12 club members have paid dues for 1993-1994. Of those 12, 2 have notified us that they do not wish to continue and have been dropped from the roster. By agreement of the Board of Directors, the other 10 will have until the end of December to renew their membership but will not receive a JUG until they have paid their dues. Combining the dues paid with the contributions we have received, the club has now met its revenue goals for this fiscal year. Following is a summary of financial activities thus far in the year:

	Budget	Actual
Membership Dues	\$3768.00	\$3610.00
Contributions to General Fund-		\$ 313.00
JUG & Roster Ads	\$ 310.00	\$ 270.00
JUG Publishing	(\$2340.00)	(\$ 530.12)
CQP	(\$ 500.00)	(\$ 326.50)
Membership Awards	(\$ 600.00)	(\$ 250.00)
Visalia Hospitality	(\$ 200.00)	-
Self-Funding Events	-	\$ 14.73
Contingency Fund	(\$ 200.00)	(\$ 24.56)
<b>Total</b>	<b>\$ 238.00</b>	<b>\$3076.55</b>

Current account reconciliation is as follows:

Balance forwarded on 5/1/93:	\$3055.69
Activity Attributable to Year 1992-1993:	(\$ 380.28)
Activity Attributable to Year 1993-1994:	\$3076.55

Current Account Balance (Gen'l Fund): \$5751.96

In addition, we have \$1232.65 in the Repeater Fund, to be used at the discretion of W6RGG.

### P.S. in Rhyme to Last Meeting

As befitting editors of our stature, we read back the facts taken from a program, to the speaker to check for absolute accuracy. Thus I read the meeting story to Dave. He said it was about as accurate as could be expected for government work, and as additional verification, he sent the following:

In the fall to our meeting came Dave,  
 Who showed us how 'tennas behave,  
 "Hang 'em high where it's dusty,  
 But low verticals (trust me)  
 Work better 'fore a seawater wave".

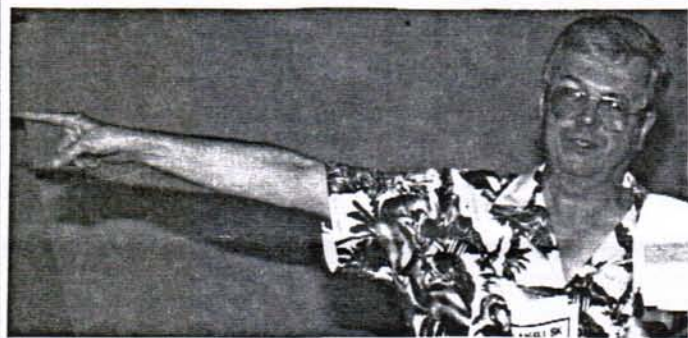
de Dave Barton, AF6S

# Re-Cap of the Doin's Last Meeting

de W6ISQ

Thirty eight members plus two toddlers showed up to wish president Steve, N6ST, Happy Birthday. No ages please. You'll have to punch it up on Steve's packet node.. He was in celebratory mode as he sliced the pizza. Thanks to YF Melissa, we all had a piece of delicious BD cake.

Steve and the members quickly dismissed the complaint against NCCC lodged by two fellas via Internet, charging "fraud" because they had not yet received their wine for winning in the last CQP. N6TV answered the charges by congratulating them for being winners, and pointing out unforeseen problems in mailing wine. N6TV was highly praised by Internetters for calm response. No one in NCCC realized how hard fought for these bottles of California wines are. Yes, the smooth, full-bodied, robust, tasty California vintner wines. Hey, thanks for the unsolicited advertisement.



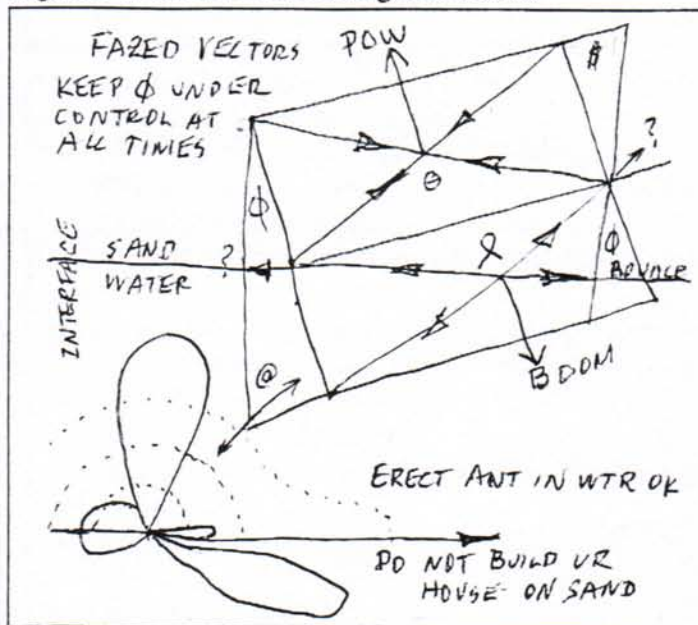
Speaker Dave AF6S Making a Point at the Meeting

## Program: Horiz Vs. Vert. Polarization by Dave, AF6S

Those of you who have read Dave's technical articles in the DXer and other publications know that he presents erudite, well-documented information, complete with good diagrams. I took copious notes which I'll summarize for you.

First of all, don't forget about rotary trigonometry which produces Faraday rotation when radio waves bounce off things. Reason to have a flat roof instead of a pointy roof. Let's see...oh yes. As an example of something,, can't quite make it out, Dave told us never to use verticals in the desert, ahhhh, or was it horizontals? Must of been verticals. Or it might have been vertically polarized quads. It appears that the faze angle of the antenna in the desert, subtracted from the reflection angle may cause the vectors to plunge instead of bounce. Howsomever, over water it's a different contest. Water changes the faze angles of a vertical so it collides head on with reflected angles, causing acceleration of the vectors, which, of course, projects the radio waves at high speed into the bending moment of the ether. Good for contests. Dave says if you can use a three element beam vertically polarized over water it's a real zinger. But be sure to feed it off the back of the boom, like Oscar antennas.

I copied some of Dave's diagrams on my pizza napkin. The napkins were pretty small so I had to combine them. Anyway, all of the above will be perfectly clear to any engineer when he views the diagrams below.



Just fooling. The speaker and diagrams were excellent, and elucidating,, prompting a lot of discussion afterwards.



Trey, WN4KKN, gets a laugh from his groupies  
l to r: N6EK, AD6E, AE6Y

In the after glow of the program, we had our usual inspirational pep talk from Bob, N6TV. "Fight". Also as usual, Trey, WN4KKN, outlined his CQP contest-winning pointers. To maximize Qs, call CQ 24 hours. Hmm. Get on 10 when open. Be a contrarian. When it is the recommended time to go on fone, you switch to CW. This is really a fone contest despite the mixed-mode advertisement. Keep checking 80 and 160 for activity. Stay on either fone or CW to keep up your rate. Ahhh, what was that last one again?

See ya next month with more reports of fancy high wire tricks and other contest notions.

# CW SPRINT NCCC

September 1993  
de Scott, N1EE/6

## NCCC TEAM #1

Call	Q's	Mults	Score
WN4KKN	310	45	13,950
N6TV	294	45	13,230
N7NG	270	43	11,610
W6XX	265	42	11,130
WA6AUE	235	46	10,810
W6RGG	242	41	9,922
AG6D	210	38	7,980
(N4TQO, opr)			
K6KM	181	39	7,059
(NV6O, opr)			
N6IP	195	35	6,825
W1FEA	?	?	?

## NCCC TEAM #2

AD6E	186	40	7,440
KI3V	169	37	6,253
N6PN	165	36	5,940
W6OAT	117	33	3,861
K2MM	106	30	3,180
N6BT	?	?	?
VE7NTT	-	-	-
N6XI	-	-	-
AJ6V	-	-	-
N6ZB	-	-	-

## BYES

N6RO	300	42	12,600
AA6KX	145	34	4,930
N1EE/6	238	38	9,044

The 9 scores I have for team 1 add up to 92,000, and I am pretty sure that W1FEA had over 10,000. Thus, if our logs are pretty clean then Team #1 will have over 100,000 points.

Please get your logs in to N6TR by the deadline Oct. 11.  
THEY MUST BE RECEIVED BY OCTOBER 11.

73, Scott, N1EE/6

News 'n Views

## Bulletin Board

►► Ed, W0YK, displayed a sampling of the hats at the meeting that were being considered for the award. All looked pretty natty. One will be chosen for the prize and you'll be proud to wear it at Visalia next year.

►► From Linda, KN6BD. She renewed for two years. Way to go. Also she reports a "recycled" Tristao tower is in place which should yield better results than the old dipole. She didn't say what was on top of the tower, though. Now if she can get Ken, K6PU, and ex-NCCCer Adam, N6QR, not to point their huge beams at her modest installation, she will be able to hear other stations and take her place amongst us modest Comfortable Contesters.

►► Peter, VE3SUN/W6 plans to activate C31LJ in CQWW as a Single Op and maybe QRP because he will be battery operated if he cannot get to the AC mains. It depends on what site he can get. Last year at V31DX, Peter and five man operating crew, including ex-NCCCer WB6SHD, finished second in their category, Multi-Single CQWW. "If we had had Trey we could have cleaned up."

►► ADVERTISEMENT. Megapoint QTH For Sale: 3 towers at 2200' Elevation. Great Euro DX 2500 Sq ft. 4 Brm, 2.5 baths, ham room. 2 car garage. Plus 24 X 124 garage with 220V. Multiple RV parking and only 1.2 miles from Hwy 17. George, KI6CG, 408-353-2188

►► ADVERTISEMENT. Wanted by Rich, N6KT, HAM III or IV rotor. 10 or 15 meter beam, 4 element or larger. Beverage Antenna to coax transformer/adaptor. Telephone 209-227-8586 or FAX 209-227-0106.

►► Jay, VY1JA. WANTED: Copy of any magazine article about adding 160 meters to either a SB-200 or SB-220. I spoke with Jay recently. His 90 foot tower is up and the antenna's in place. However, when I talked to him on 80 in CQP he said his quad antenna had blown down, but would be back up for SS. His 4-element quad is a 5-bander, 14-17-21-24-28, but he still does not have a rotator for that quad. Can anyone help? He will continue to use his 40 meter GP. His station equipment is in a 16 foot trailer which he drives out to the base of his antenna!

►► Regrets, folks. We couldn't publish the second installment of Travels with Andy this month on account of Andy himself. Oh, he completed both the travels and the story about them, but he travelled too far out with his contest results and there simply wasn't any space left. Priorities Priorities.

# ARRL Sweepstakes

Call Used \_\_\_\_\_

ARRL Section \_\_\_\_\_

SENT

PREC	CALL	CK	SEC
------	------	----	-----

CW

PHONE



Separate logs and summary sheets required for each mode.

Band	Date	Time On/Off	Time	NR	NR	Prec	Station Worked	CK	*Section	Points
				1						
				2						
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10						
				11						
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				44						
				45						
				46						
				47						
				48						
				49						
				50						

Do not write above this line.



# ARRL November Sweepstakes

### License Class

- Novice
- Technician
- Other

CALL USED \_\_\_\_\_ CW  ARRL SECTION (P. 8 QST) \_\_\_\_\_  
 PHONE

**Note:** Separate logs must be submitted, with separate summaries, for each mode.

SCORING: \_\_\_\_\_ QSO points × \_\_\_\_\_ sections = \_\_\_\_\_ claimed score.

Count 2 points per complete QSO. [Cross out sections worked on the list below.]

Claimed Score	QSOs	Sections	Power Output	Hrs of Op
---------------	------	----------	--------------	-----------

Single Operator Station (operator's call if different from call used) \_\_\_\_\_

Multioperator Station (shows call of **ALL** operators, loggers) \_\_\_\_\_

Club participation? Yes \_\_\_\_\_ No \_\_\_\_\_  
 If yes, print the name of your ARRL Affiliated Club: \_\_\_\_\_

### Equipment Description:

Rigs \_\_\_\_\_

Antennas \_\_\_\_\_

*"I have observed all competition rules as well as all regulations established for amateur radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the ARRL Awards Committee."*

Date \_\_\_\_\_ Signature \_\_\_\_\_ Call \_\_\_\_\_

Note your soapbox and other comments. Enclose your photos, as well as your SS logs and check sheets and mail promptly to: **ARRL Contests**, 225 Main St, Newington, CT 06111.

### MULTIPLIER CHECK-OFF LIST

(Cross off each new section as worked.)

1	2	3	4	5	6	7	8	9	0	VE
CT	ENY	DE	AL	AR	EB	AZ	MI	IL	CO	MAR
EMA	NLI	EPA	GA	LA	LAX	EWA	OH	IN	IA	PQ
ME	NNJ	MDC	KY	MS	ORG	ID	WV	WI	KS	ON
NH	SNJ	WPA	NC	NM	SB	MT			MN	MB
RI	WNY		NFL	NTX	SCV	NV			MO	SK
VT			SC	OK	SDG	OR			NE	AB
WMA			SFL	STX	SF	UT			ND	BC
			TN	WTX	SJV	WWA			SD	YU/NWT
			VA		SV	WY				
			PR		PAC	AK				
			VI							

Print or type:

NAME: \_\_\_\_\_ CALL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

1. Check log for duplicate QSOs.
2. Copy ALL QSO info carefully. A penalty is assessed for incorrectly copied QSO info.
3. Observe mailing deadline
4. Dupe/check sheet must accompany all entries of 200 or more QSOs

# Andy's Dandies

Whew! My ears are still ringing from the California QSO Party contest just finished. Ye olde ed, ISQ, agreed to bend his deadlines to let me put in some scores after the contest (see end of column). Having decided that no mere mortal with a mere mortal station can possibly compete with W6QHS and N6TV, I decided to go low power (also to reduce possible interference to my touchy neighbors).

Some observations:

a) Some of the big guns from last year, like So Cal N6UR and N6VR, as well as Berkeley's own N6EK, were notably absent. On the other hand, W6EEN in Bermuda Dunes went at it in a big way, challenging W6QHS (operated by none other than Dave, himself) for the overall leader.

b) A clean sweep seemed to be harder this year, due to the fickle nature of Idaho—even peerless N6TV didn't get Idaho in 2010 q's! N6IP was reduced to working a mobile for his only Idaho, and yours truly had the good fortune to have two call him for number 58 within the space of 5 minutes! Jay, VY1JA, showed up Saturday night and Sunday to give us NWT, even though his quad was on the ground, due to 80 mph winds a few days earlier.

c) Several out of staters reported cleansweeps (including nccc'r VE7NTT/WA6VEF), so congrats to N6TV for his work in getting all counties on and thanks to those who mobiled and expeditioned out to the rare ones.

d) 10 meters was deader than a doornail Saturday, but came alive for a few hours on Sunday. There seemed to be a pipeline to the East Coast (particularly the Southeast), but big gun W0AIH told me it was basically useless in his area. 80 meters filled in nicely Saturday night, but nothing truly can take the place of 10 in this contest.

**SS SS SS SS SS SS SS SS SS SS SS SS**

Note: space doesn't permit reprinting the wealth of SS lore from N6IP's column last year. Reread his article on SS to really get fired up this year. We won last year because we had close to 100 entries. Let's do better this year!

Some projected activity reports, courtesy of N6TV, N6IP, N6EK, KI3V, W6FAH, KA6ING. These are only a few of the members, designated to get you participating. Comments are in pretty much original form as submitted. Remember: **WE NEED TO GET EVERY POSSIBLE STATION ON THE AIR IN CW AND PHONE TO STAY ON TOP. AS GORBY (Ed. note: and Yeltsin) FOUND OUT, IT'S A LOT EASIER TO GET THERE THAN TO STAY THERE.**

Don't forget participation awards: KB-1000, 1000 combined QSO's. KB-2000, 2000 combined QSO's. NCCC Contest Team hats: 1000 QSO's total in CQP, SSPH and SSCW, 150 in each.

WM2C: SS CW, but not SSB.

WB6DSV: Both SS's from home in Contra Costa County. He uses a remote-controlled station about a mile from his house! N6EK: both modes SS probable but not certain.

N3AHA: SS CW: No big effort, but at least 160 Qs. SS PH: Looking for a station for a full effort. His usual station (WA6GFY) will probably be reserved by others.

WA6BXH: SS CW Looking for a station or a multi-op. SS Ph Most likely a multi-op somewhere....

N6ZB: SS CW "My favorite contest" (full effort). SS Ph. "Can't get too excited abt it. 150++ Qs though"

WE6F: Will be active in SS.

KV6S: SS CW Promises a full effort. SS Ph Has never adjusted C-Line for SSB. Will try though.

WA0YQM: Will be active. Guarantees absolute minimum of 100 Qs per test from "peanut station" from home.

N6IP: SS CW: "Last year, from my cliff-side (WEST FACING) site with a mild fever, got 700+ Qs in my "first" competitive SS. This year, should break 800 without a fever. Still have lousy QTH, though!

SS Ph: More folk to work, but less enthusiasm. Sign me up for 800 Qs.

W6BIP: YES, K6ILM: YES, W6OAT: YES TO BOTH, N6RA: YES.

KA6ING 10 Meters only SS

N6GRJ: SS SSB only.

WI6N: No SS CW, maybe a small SS SSB.

N6PN: Hopes to operate both modes of SS from N6TV's station. KI6WF: May try some SS SSB.

K6SIK: Too many RFI problems from home. Available to help with multi-op in SS, even on short notice.

N6TV: Full bore SS CW at WA7NIN, SS Phone at home

W6BIP: multi w/N1EE SS CW, single-op for phone

W6DU: Will make a few QSOs in CQP and SS

W6FSJ: Going for NCCC cap, SS CW, SS SSB, CQP

K6MA: CW only in SS

WA8LLY: semi-serious both modes of SS

N6TU: will try for full bore SS CW/SS

W6XX: planning full bore SS CW and possibly SSB

## Scores

Here are some early cqp scores via packet and telephone. More scores next month. First some hand/mode breakdowns for comparison: (Figures are SSB/CW Q's)

	W6QHS	W6EEN	N6TV	W1FEA/6
160	26/14	3/2	9/12	13/7
80	55/79	139/87	218/104	163/95
40	102/172	279/102	119/117	94/144
20	530/177	581/208	519/159	513/173
15	684/134	457/133	528/108	335/144
10	139/29	184/0	89/16	89/5
VHF	35/0	0/0	12/0	6/0

(Scores Con't Page 8)

# AMATEUR POPULATION DENSITY



Map and Data  
 Courtesy of  
 Peter Jennings  
 VE3SUN/W6



HamBase 1993 Data - One zip code per dot.

(Scores, Con't)

## CQP Early Claimed Scores

Station(op)	Qso(CW)	Mult	Points	Cat
W6QHS	2176(605)	58	287,506	SO
N6TV	2010(516)	57	258,552	SO
W1FEA/6	1781(568)	58	239,540	SO
W6OAT	1325(540)	58	185,020	SO
AE6Y	1266(430)	58	171,796	SO-LP
W6REC	1195(295)	57	153,045	SO
AA6KX	1120(441)	57	152,817	SO-LP
(County exp. Lake/Colusa)				
KM6YX	1267(0)	57	144,438	SO
N6IP	781(456)	58	117,044	SO
KD6WI	1000(0)	58	116,000	SO
AB6WM	717(242)	57	95,532	SO
WA6SDM	244(0)	48	23,424	SO
KK6H	528(516)	56	88,032	SO-LP
WA8LLY/6	377(45)	50	39,950	SO-LP
WB6ITM	135	44	12,012	SO-LP
N6TPT	70(1)	30	4,230	SO-LP
KA6ING	14(0)	4	112	SO-LP
W6EEN	2145(502)	58	277,936	M/S
(W6EEN, K6XC, KA6SAR)				
K6KM	1201(561)	58	171,854	M/S

(K6KM, WM2C, KI6AN)

N6BT	1069(170)	58	133,864	M/S
(N6BT, N7STU, WB6JPY —exp. to Inyo)				
AA6LB/M	985(372)	56	131,152	M/S
WR6R	296(3)	48	28,560	M/S
(AA6LB, NV60, N6UXB, KJ6TC)				
AB6EQ1	364(488)	56	188,496	M/M
(AB6EQ, KD6NOS, NI6T, N2MM)				

W0AIH	1024(268)	58	134,328	SO
(KA9FOX)				
KE4GY	417(193)	57	58,539	SO
N2AA	281(95)	58	38,106	SO
K7GM/4	116(97)	46	15,000	SO-LP

Seat needed: Gary, NI6T, fresh from multi-op fame at AB6EQ in CQP is looking for a multi seat in CQ WW SSB.

Send all scores to me by DXPSN packet or by mail to me:  
 16321 Ridgcrest Ave. Monte Sereno CA 95030.  
 (408) 395-9193

73 and KB, Andy, AE6Y



# 1993 CQ Magazine Contest Survey

Your Callsign (optional): \_\_\_\_\_

Contesting Experience (years): \_\_\_\_\_

1. What are the primary reasons why you participate in contests? (Circle the top one or two choices that apply)

- A. Ego
- B. The sport and competition factor
- C. Camaraderie among participants
- D. Developing personal technical competence
- E. Enhancing operating ability
- F. Other \_\_\_\_\_

2. If possible from your experience, identify the single most common failure point in your contest station (e.g., amplifier, rotor, transceiver, computer, etc.).

\_\_\_\_\_

3. Quantify the \$\$ investment you have made in your contest station over the following time periods.

Last 12 months: \_\_\_\_\_

Total investment: \_\_\_\_\_

4. Do you feel the "small gun" deserves more recognition in contest reporting?

YES  NO

5. If you answered YES to Question #3, what enhancements would you recommend?

\_\_\_\_\_

6. There has been much debate about contest score equalization. Do you feel there is a need to implement a scoring equalization system to account for station/geographic differences?

YES  NO

7. If you take an honest look at the impact of contesting on amateur radio, do you feel the following need to be addressed by the contest community?

- |  |                              |                             |
|--|------------------------------|-----------------------------|
| Excessive Power  | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| Disrespect for the operating privileges of the "non-contester" during contests | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| Improper equipment operation (e.g., speech processor levels)                   | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| Stretching the interpretation of governmental licensing laws                   | <input type="checkbox"/> YES | <input type="checkbox"/> NO |

8. Do you think that your contest log would be more closely scrutinized if it were to be submitted electronically on disk?

YES  NO

9. Do you feel there is abuse of power limits in the following operating categories?

- |                        |                              |                             |
|------------------------|------------------------------|-----------------------------|
| QRP:                   | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| 100 watts (low power): | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| KW (full power):       | <input type="checkbox"/> YES | <input type="checkbox"/> NO |

10. Should contests continue to be excluded from the WARC bands?

YES  NO

11. Have antenna zoning restrictions modified your plans for contest participation?

YES  NO

12. Do you think there is room in radio contesting for an "off-the-air" computer-based contest that is exclusive of any current on-air activities?

YES  NO

13. Do you agree with the growing opinion that contesting is evolving into a sport of "10 super-stations and everyone else?"

YES  NO

Comments:

\_\_\_\_\_  
\_\_\_\_\_

(use additional sheet if necessary)

**Return your survey responses to:**

John Dorr, K1AR  
1993 Contest Survey  
c/o CQ Communications, 76 N. Broadway, Hicksville, NY 11801

**Deadline:** November 30, 1993

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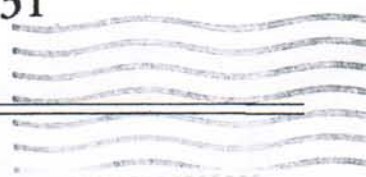


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