



JUG

MARCH 1993
VOLUME 249

N6KT SETS NEW WORLD RECORD

* * *

EARLY REPORTS, AS YET UNOFFICIAL, SHOW RICH SMITH, WORKING FROM HC8A, HAS BROKEN THE WORLD RECORD FOR TOTAL QSO'S IN THIS YEAR'S ARRL PHONE CONTEST. NOT DUPED, HIS TOTAL POINTS WERE 10,937, SSB, SINGLE OP, ONE WEEK-END. FULL DETAILS IN OUR NEXT ISSUE

◆ UPCOMING CONTESTS ◆

March	
6-7	ARRL DX Phone QST, Dec. p. 125
13-14	YL-ISSB QST, Jan. p. 115
	Wisc. QSO QST, Feb. p. 109
16-17	CLARA HF QST, Mar. p. 110
20-21	Bermuda QSO QST, Feb. p. 109
	BARTG RTTY QST, Feb. p. 109
	VA QSO QST, Mar. p. 110
27-28	WPX Phone QST, Feb. p. 109
April	
3-4	SP-DX QST, Mar. p. 110
	ARCI QRP CW QST, Mar. p. 110
5	ARRL 144 MHz Sprint ... QST, Mar. p. 110
9-11	JIDX CW (20-10m) QST, Jan. p. 109
10-11	Holyland DX QST, Mar. p. 110
13	ARRL 220 MHz Sprint ... QST, Mar. p. 110
14-15	DXYL-NAYL (CW)
17-18	SARTG AMTOR QST, Mar. p. 110
	MARAC County (Ph) QST, Mar. p. 110
21	ARRL 432 MHz Sprint ... QST, Mar. p. 110
24-25	Helvetia Contest
28-29	DXYL-NAYL (Ph)

NEXT MEETING

AWARDS BANQUET

SUNDAY, MARCH 21, 5 PM

PLEASTON HOTEL, PLEASANTON

SEE PAGE 9 FOR RESERVATIONS AND DIRECTIONS

TV NEWS FROM PREXY BOB, N6TV

PLEASANTON PROSPECT AWARDS BANQUET MARCH 21

The grand finale of the 1992-1993 contest season is the NCCC awards banquet, Sunday evening, March 21st, at the Pleasanton Hotel in Pleasanton. Attitude adjustment starts at 5:00 p.m., dinner at 6:00 p.m., followed by our annual NCCC Awards Presentation, or NAP(?). We plan to award KB-500, KB-1000 and KB-2000 awards for Sweepstakes, wine bottles, plaques and certificates for the California QSO Party, certificates for CQ WW, and some other surprises. It should be great fun and a great dinner in a great setting. Page 9 has reservation details and directions to Hotel.

Our new awards chairman Ed, W0YK, has been working overtime to put this all together for the March meeting. Please come to the meeting to be recognized for your valiant efforts of the past contest season. If you can't make it, please authorize a friend to pick up your awards on your behalf (just like they do at the Oscars). This will save the club a great deal of time and mailing expense.



February NCCC/NCDXC Meeting

Our last meeting was a first (well, maybe a second). We had a joint meeting with the No. Calif. DX Club at Harry's Hofbrau in Palo Alto. The featured speaker, Harley Licht, WA6ISX, gave a most informative talk on the nature of telephone RFI and its cures. Turns out some phones just can't be cured no matter what you do to them. Others are RF immune right out of the box. For ferrites, Harley agrees that the mix 43 split beads we've been recommending for some time are the best ones to use. The theory books say other mixes should be more effective at HF, but this just doesn't seem to be the case in practice.

The handout describes Harley's experience with various models of telephones. If you didn't get a handout, send a large SASE to WA6ISX's callbook address. Thanks Harley. And thanks to the NCDXC for their hospitality.

We voted into membership four new members: Larry KJ6PJ, Ken WM2C, Dave W6PHF, and Sandy WA6BXH. Welcome! Harley WA6ISX has also rejoined the NCCC after a long absence. Welcome back!

TV News con't page 9 col 1

WOLBERT'S WORDS

de N6IP



Jughead

Congratulations to N6TV for winning the 1992 NCCC "Jughead". His 95 NCCC QSO mark was accomplished by working more NCCCs than submitted SS logs. Thanks Bob, for these extra club points!

KB-2000 Winners

Congratulations to the winners of the NCCC KB-2000, awarded for contacting a total of 2,000 stations in SS:

WC6H	N6TV	N6RO
N3AHA	AA6KX	W1FEA
N6KT	W6XX	KS6H

Congratulations to the winners of the KB-1000 award:

AE6Y	AG6D	W6BSY
W6ISQ	WX6M	N6IP
N6ZB	W6RGG	KI6CG
K6PJY	WR6R	AJ6V
WB6CJE	K6HIH	

Post-Last Minute SS Scores

K6HIH sent his SS Phone score, but it never got here:

K6HIH >100,000

(Ph)

CQWW CW Scores

Single Operator	QSO	Z	C	Total	
(N6BT)	2838	33	111	1,213,776	10
K6PJY	773	126	236	809,070	
NI6T	562	135	267	628,728	
K4TKM	945	36	129	445,005	15
W6FSJ	406	114	197	345,210	

Multi-Op

GB5CW(AA6MC + G3SZA) 3476 139 415 4,355,548

North American QSO Party, CW

	QSO	M	Total
N1EE/6	540	210	113,400

ARRL 160m Scores

Single Operator	QSO	Sect	C	Total
W1FEA	576	72	3	87,075
W6FSJ	214	44	7	27,795

NORTHERN CALIFORNIA CONTEST CLUB OFFICERS

PRESIDENT BOB WILSON N6TV
 VICE PRESIDENT
 /CONTEST CHR BOB WOLBERT N6IP
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The *Jug* is the official journal of the NCCC, published monthly. Materials submitted for publication must be received no later than the last Monday of the month

ARRL 10m Scores

Single Operator	CW	Ph	S	C	Total
W1FEA	?	1975	117	107	1,201,088
W0YK	698	1411	108	80	1,055,434
G0MFO	450	250	90	114	470,016
WB6CJE	355	410	103	60	365,772

CQWW 160m CW Results

Single Operator	QSO	States	C	Total
W1FEA	541	53	16	100,740
W6BIP	216	45	7	25,740

WPX

WPX 'phone is 27-28 March. NCCC will extend our club winning streak again, although some East coast group calling itself "FRC" (isn't that the callsign of some hokey SF broadcast station?) had a nearly unanimous membership vote to "go for it" in WPX this year. Looks like we might finally get some competition.

CQ magazine's '92 WPX phone results show that NCCC brought home trophies galore! Congrats to N6KT for World High SO, to AI6V for South America High SO, to WR6R for Oceania High SO, to WN4KKN for 21MHz High, and to the U.S. Multi-Multi High Team, WZ6Z, N6RO, N3AHA, K3EST, W6QHS, KK6QM, W6RGG, N6TV, and W0ZZ.

FRC has their work cut out for them!

ARRL DX Contest Notes

I am collecting scores for both NCCC and NCDXC for the ARRL DX contests. If you are a member of both groups, submit your log to the ARRL naming the DX club; otherwise, submit for NCCC. Please clearly specify your club affiliation to me, as I will make two submissions to the ARRL. Only a few scores are here by my JUG deadline, so results will appear next month.

Conditions for the CW weekend were well down from last year. The contest coincided with the monthly solar flux low. However, that means the 'phone weekend will fall near the monthly flux peak.

An interesting event occurred during the contest. A packet spot for a 9V on 80m came through. Nothing was on the exact spot frequency or a kHz above (as usual), but 150Hz below was a weak signal working someone. As I listened for a callsign, the frequency burst into a big pile-up. The weak signal operator changed to his fast pace, not signing his call. Lots of us fought it out, many making it into the "9V"'s log. Cajoled by a chorus of "?" and "CL?", the "9V" finally signed--JA3 something. The startled, extremely popular JA was further surprised when his instant pile-up instantly disappeared.

Wonder how many locals have a "9V" in their log from this erroneous spot...?

Excuses, excuses.....

A pseudo-DX-pedition I made to JA made me miss the February JUG deadline. My apologies. The JAs presented me with the Hong Kong "A" virus; the resulting 103° fever depleted the last creative impulse I had. Also, the 5 Meg award standings printed in January does not reflect CQWW (CW) or SS. I had not relayed these scores to AD6E. Your actual total is much higher.

Get those scores to me. Remember, my roster address is wrong. Please send to N6IP, via DXPSN, or (408) 258-1015, or to Bob Wolbert, 10028 Bon Vista Ct., San Jose, CA 95127

73 & KB de Bob

1992 CALIFORNIA QSO PARTY (CQP)

RESULTS

DE KEN ANDERSON K6PU

The 1992 California QSO Party is history and the Postmaster in our four person post office is now speaking to me again. There were 208 non-California and 157 California logs received. Eleven USA stations (NX3A, N4WNL, VE4GV, VE7NKI, K8AQM, AA8AV, KA9FOX, KE9I, KCØGM, W3HDH/Ø, KB6LO/Ø) managed to find all 58 California Counties. Twenty-six California stations managed a clean sweep. Wyoming was the most commonly missed section. Participants ranged in age from KB3ADQ (14) to N3CZB (84).

SOAPBOX - California

Could I possibly work VY1JA six times, VE8CM once, and then miss Alaska?.. W6UQF; We operated from a rental RV and had problems mounting the antennas.. K8HVT; This is my third year contesting the CQP, Zip activity on 160 heard.. KB6LZW; Stayed on the air with 3 storage batteries, peak power was 500 at start and dwindled to 10.. W6TVP; Keeping clear of WIFEA (4 miles) is a real feat.. K6DGW; Missed Wyo for 2nd straight year but plenty of VE8/VY1 QSOs.. AB6FO; Thunderstorm blew down the antenna before the QSO party but my OM got it up in time.. K16OS; TU4EB called me, first Ivory Coast ever! .. KJ6DL; My "7" call is somewhat of a disadvantage in the QSO party (on CW).. KF7AM/6; Operating site in Mono county was at 11,160 feet, daytime temp was 36-38 F.. WA6FIT; Usually operate from Calaveras or Alpine Counties, but for this year had very little time.. W6PLJ.

SOAPBOX - Out of state

My first ever contest and I really enjoyed it.. WD8LCH; Not as much fun with only a dipole at 12 feet - tnx to Andrew.. K4MF; There was more courtesy and good sportsmanship this year.. WAØOTV; I was planning a big effort from HV3 but my sweet Italian YL convinced me we should "go south" to the Med islands north of Sicily.. W7SW; Again I have to wait for the Best Weekend.. JJ7XTV; Only worked 13 hours as I couldn't find anybody new to work.. KØPP/7; Tripled my score from last year and I enjoyed it very much.. K4PIC; On CW the strongest sig on 40 was WIFEA/6, K6NA was strongest on 80.. VE3HX; Now I know how CA stations must feel during the salmon run - hearing all those East Coast guys.. KX7L; Saturday I heard NO stateside at all let alone West Coast.. G3IZJ; Only a short opening during Sunday afternoon, anyhow worked 2 new Cal counties.. DJ8WD; I know the CA counties better than the ones in Tennessee.. K4LTA; QRM was heavy and QRN from XYL downstairs also.. KB2MV; I beat my last yrs score by 5,000, spent more time on CW this year.. KC8FS; I did manage to make a few contacts to keep my CQP streak alive at 16 consecutive.. WB5DTK; All my assistant Ops were Novice/Techs.. K8AQM; Great test, can't forget the thrill of sweeping.. KCØGM; Was nice to exchange reports with many friends in the CQP once again.. K7SV; Still the most fun that a person can legally have in 24 hours.. NH6T; The rate was so good that Hubby (WA6VEF/VE7NTT) was totally shocked that by Saturday night I was ahead of his same time QSO number of two years ago, and then came dismal Sunday.. VE7NKI; I decided to make a

sincere effort this year and spent three weekends erecting an 1100 foot long wire antenna, next year I'll aim the antenna directly at Lake County.. N8KSO; Another well done Cal QSO party.. AE2N; The CQP is the only County/State test I know where a lower power station with a wire antenna can maintain a rate approaching 60 QSOs an hour, had 200 QSOs in 267 minutes.. K2UFT; Best one in the last ten years.. AB4HR; Always a fun test, good to see the KD6 guys, contesting always needs new blood.. AA4NC; This was my first contest, thanks to N6VR, KC6ACI, KD6CGJ, KM6OH, and WA6DJS that took the time to welcome me to amateur radio.. KB5UZV; The contest group should thank W6UQF for inviting me to be in the CQP.. VY1JA.

Notes: Low power is 200 watts or less output. If power wasn't indicated, more than 200 watts was assumed. Many W6 stations apparently do not realize that DX stations may be worked for points but do not count for multipliers. For those people that submit more than log per mail envelope, please add a cover note that indicates this. Thanks to Al, AD6E, for the publicity and to Jim, WA6SDM, for handling the awards.

A special thanks to my XYL, Kay, for the data entry, proof reading and edit support.

Ken, K6PU



WA6FIT OPERATION SITE AT 11160 FT.

WHITE MOUNTAINS MONO COUNTY. PHOTO KEN ANDERSON

GENERAL PRINTING	QSL CARDS FOR THE DX'ER BY A DX'ER WA6AHF MEMBER NO CALIF DX CLUB NO CALIF CONTEST CLUB Hughes SERVICES UNLIMITED 17494 VIA ALAMITOS SAN LORENZO, CALIF 94580 (510) 278-3573	LAY - OUT
GRAPHIC ARTS		PASTE UP
WRITE FOR SAMPLES		

TROPHIES

SECTION	CALL	OPERATOR	CLASS	SCORE	POWER	SECTIONS	QSOs	CW QSOs
TOP 3 CAL								
SCLA	W6QHS	WN4KKN	S	329,208	H	58	2552	572
KERN	N6UR	KR6X	S	298,816	H	58	2347	458
VENT	N6VR	KA6SAR	S	286,230	H	58	2184	567
TOP 3 NON-CAL								
IN	KE9I		S	129,862	H	58	1006	227
MAN	VE4GV		S	113,332	L	58	872	210
IN	AJ9C		S	110,432	H	56	912	148
TOP CAL MULTI SINGLE								
NEV	A16V	A16V,W6OAT	MS	272,542	H	58	2049	601
TOP CAL MULTI MULTI								
MER	KS6H	KS6H,N6ZB	MM/CE	281,822	H	58	2101	657
TOP SINGLE OP EXPEDITION								
MARN	WA6FGV		S/CE	199,926	H	58	1604	239
TOP MULTI OP EXPEDITION								
MER	KS6H	KS6H,N6ZB	MM/CE	281,822	H	58	2101	657
TOP CAL WITH MOST CW QSOs								
SLO	W6UM		S	112,104	H	54	692	692
TOP NON-CAL WITH MOST CW QSOs								
OH	N8LXS		S	79,515	H	57	545	305
TOP CAL MOBILE WITH MOST QSOs								
SLO	K8HVT/M	K8HVT, N2AZS	MS	130,041	H	53	1252	296
KERN								
VENT								
SBAR								
LAX								
TOP CAL SINGLE OP LOW POWER								
SDGO	W6UQF		S	227,259	L	57	1716	555
TOP NON-CAL SINGLE OP LOW POWER								
MAN	VE4GV		S	113,332	L	58	872	210
TOP CAL NOVICE/TECHNICIAN								
LAX	KC6ACI		N/T	12,692	L	38	167	0
TOP NON-CAL NOVICE/TECHNICIAN								
KY	N4HID		N/T	46,256	L	56	413	0
TOP NON USA/CANADA ENTRY								
ASIA	JH8CLU		S	22,608	L	48	207	57
TOP CAL CLUB ENTRY								
VACA VALLEY RADIO CLUB				583,400				

SPECIAL CQP WINE AWARD

CALL	OP	CLASS	SCORE
TOP 20 CAL WINE WINNERS			
W6QHS	WN4KKN	S	329,208
N6UR	KR6X	S	298,816
N6VR	KA6SAR	S	286,230
N6TV		S	282,344
W1FEA/6		S	264,944
WA6AUE		S	254,446
AC6T		S	254,272
W6UQF		S	227,259
N6EK		S	202,179
WA6FGV		S	199,926
AA6KX		S	187,224
AB6FO		S	175,959
W6BSY		S	175,740
KJ6DL		S	169,360
W6JTI		S	156,066
N6IP		S	154,454
W6TKF		S	144,666
KD6FW		S	139,104
WB6CJE		S	136,800
AE6Y		S	136,590

TOP 20 NON-CAL WINE WINNERS

KE9I		S	129,862
VE4GV		S	113,332
AJ9C		S	110,432
VE7NKI		S	101,732
N8KSO		S	84,588
K4LTA/Ø		S	84,246
N1CC		S	79,520
N8LXS		S	79,515
K6XO/7		S	79,515
W3HDH/Ø		S	78,184
AA8AV		S	78,010
NH6T		S	77,784
NX3A		S	72,906
N9JF		S	67,592
KC4TEO		S	67,500
KØPP/7		S	67,488
KB6LO/Ø		S	60,320
KCØGM		S	59,044
K7SV		S	57,310
AA4UF		S	56,728

CERTIFICATE WINNERS

Top Single-Op in each California County, State, Province, Country, and stations with 100 or more QSOs.

Special appreciation certificates for:

Multi-Multi Operators at K8AQM (K8AQM, N8NWA, N8TIB, N8QCU, and N8QZO)

WJ2O - Expeditions to VE2 and VE3 (53,262 points)

Multi Single CAL

A16V	272,542
N7CW/6	245,978
K6HIH	195,402
AD6E	166,692
AA6MV	147,842
K6KM	141,645
WB6RXE	136,572
WA6GDS	130,074
KM6OH	102,816
KK6XA	98,040

Novice/Tech CAL

KC6ACI	12,692
N6IFW	9,240
KD6KJO	2,064
KA6ING	1,800
KD6MAY	56

Low Power CAL

W6UQF	227,259
AB6FO	175,959
W6JTI	156,066
AA6MV	147,842
WB6CJE	136,800
WB6RXE	136,572
AB6EQ	117,249
N6YKL	116,696
KC6HJJ	94,772
AA6UN	94,360

County Expedition Single Op

WA6FGV	199,926
W6BSY	175,740
N6JM	56,628
W6TVP	46,800
WD6EKR	32,076
WW6O	27,166
N6OM	27,072
AA6GMM	26,132
K6AAW	20,915
NR6E	18,200

Multi Single NON-CAL

NØMMA	14,448
WX6M/1	12,126
N8MZN	11,040
JA7YFB	2,125

Novice/Tech NON-CAL

N4HID	46,256
N9ICH	32,670
KB9ARA	12,768
KC4URW	8,370
WD8LCH	1,392
KB3AGN	782

Low Power NON-CAL

VE4GV	113,332
K4LTA/Ø	84,246
AA8AV	78,010
N9JF	67,592
KC4TEO	67,500
KB6LO/Ø	60,320
KCØGM	59,044
K7SV	57,310
AA4UF	56,728
N19C	56,259

County Expedition Multi Op

KS6H	281,822
N7CW/6	245,978
AD6E	166,692
WB6RXE	136,572
WA6GDS	130,074
WZ7V/6	66,000
K8HVT/M	44,679
K6MO/MM	37,632
K8HVT/M	36,672
K8HVT/M	27,792

Multi Multi CAL

KS6H	281,822
WZ7V/6	66,000

Multi Multi NON-CAL

K8AQM	93,496
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CAL CLUB (5 ENTRIES MINIMUM)

VACA VALLEY RADIO CLUB	583,400	(15 ENTRIES)
SHASTA DX/CONTEST CLUB	573,317	(12 ENTRIES)
REDWOOD EMPIRE DX ASSOCIATION	234,634	(6 ENTRIES)

Call. Class. Expedition. Score. Power. Sect. QSOs. (CW QSOs)

*Indicates new score record

California

Alameda

N6EK S 202,179 H 57 1509 (529)
 N6CCL S 129,248 H 56 1154 (0)
 K6BZS S 58,752 L 54 416 (256)
 KK6WP S 7,956 H 36 92 (37)

Alpine

WD6EKR S CE 32,076 L 54 297 (0)
 K16OS S 5,150 L 25 103 (0)
 KM6OH +TINA MS 102,816 H 56 918 (0)

Amador

K6PU S 134,908 H 58 1050 (226)
 K6BPB S 73,617 L 53 463 (463)
 KC6NIP S 21,696 L 48 226 (0)

Butte

NØDJJ6 S 87,264 L 54 684 (248)
 WB6RFX S 9,468 L 36 120 (23)
 N6PYI S 416 H 13 16 (0)
 K6KM +N6RER MS 141,645 H 57 1071 (343)

Calaveras

K6RK S 114,000 H 57 1000 (0)
 N6TNX +N6TNW MS 21,216 L 48 221 (0)

Colusa

KE6WL S 1,428 L 21 31 (6)

Colusa, Glenn

AA6GM/M S CE 570 L 15 19 (0)

Contra Costa

K6DYP S 110,544 H 56 987 (0)
 K6PJY S 22,815 H 45 207 (93)

Contra Costa, Marin, Solano, Sonoma

K6MO/MM +N6KG MS CE 37,632 L 49 277 (214)

Del Norte

AA6UN* S 94,360 L 56 792 (101)
 K6HY S 37,248 H 48 311 (154)
 K6AAW S CE 20,915 L 47 199 (47)

El Dorado

KD6KJO N/T 2,064 L 24 43 (0)

Fresno

N6GJI S 100,572 H 58 867 (0)
 KK6AW S 31,720 L 52 305 (0)

Glenn, Mendocino

AD6E +N6WFK,N6ZPX MS CE 166,692 H 58 1249 (376)

Humboldt

W6JTI S 156,066 L 57 1191 (356)
 AA6DX S 106,512 H 56 761 (380)

Imperial

N7CW/6 +KD6QK MS CE 245,978 H 58 1971 (299)
 WZ7V/6 +KA7PVJ,KB7IM,N7RDK
 MM CE 66,000 L 50 660 (0)

Inyo

WW6O S CE 27,166 L 47 289 (0)
 WA6FIT S CE 7,848 L 36 109 (0)

Kern

N6UR* (KR6X op) S 298,816 H 58 2347 (458)
 K4UVT/6 S 30,008 L 44 297 (88)
 K8HVT/M +N2AZS MS CE 36,672 H 48 331 (102)

Kings

No entry

Lake

No entry

Lassen

KJ6MD S 16,224 L 39 208 (0)
 K6JKC S 14,168 L 44 128 (66)

Los Angeles

AB6FO S 175,959 L 57 1290 (507)
 KM6YX S 82,080 L 57 720 (0)
 W6FA S 54,927 L 51 394 (289)
 WA6BIL S 43,953 L 49 325 (247)
 WB6NFO S 21,624 H 53 204 (0)
 K6DMN S 20,160 L 45 224 (0)
 W6DDB S 16,986 L 38 149 (149)
 KC6ACI N/T 12,692 L 38 167 (0)
 K6ZCL S 10,296 L 39 132 (0)
 KC6QOQ S 1,764 L 18 49 (0)
 KG6VI S 1,488 L 24 31 (0)
 WB6GBR +E.A. HINZ MS 75,192 L 52 482 (482)
 K8HVT/M +N2AZS MS CE 27,792 H 48 279 (21)

Call. Class. Expedition. Score. Power. Sect. QSOs. (CW QSOs)

*Indicates new score record

California

Madera

KD6FW S 139,104 H 56 1242 (0)

Marin

WA6FGV* S CE 199,926 H 58 1604 (239)
 K6LRN S 124,096 H 56 934 (348)
 WA6CTA S 13,965 L 35 133 (133)

Mariposa

NR6E S CE 18,200 L 40 174 (107)

Mendocino

KB6LZW S 35,088 L 51 344 (0)

Merced

KI6PR +N6WTL, KB6SBH
 MS 48,546 L 54 388 (123)
 KS6H +N6ZB MM CE 281,822 H 58 2101 (657)

Modoc

N6OM S CE 27,072 L 47 200 (176)

Mono

WA6FIT S 22,800 L 50 228 (0)
 WA6GDS +NZ6N MS CE 130,074 H 57 1016 (250)

Mono, Inyo

W6TVP S CE 46,800 H 50 312 (312)

Monterey

WD6CKT S 50,949 L 51 445 (109)

Napa

N6GKY S 63,580 L 55 578 (0)
 KD6AOB S CE 15,980 L 47 170 (0)

Napa, Solano

AA6GM/M S CE 644 L 14 23 (0)

Nevada

WA6AUE S 254,446 H 58 1984 (419)
 AI6V +W6OAT MS 272,542 H 58 2049 (601)

Orange

W6SX S 110,715 H 55 671 (671)
 N6MU S 35,055 L 45 275 (229)
 N4ARO/6 S 23,840 L 40 207 (182)
 KD6LUY S 7,616 H 32 119 (0)

Placer

W1FEA/6* S 264,944 H 58 2027 (514)
 W6RFF S 61,533 H 53 452 (257)
 K6DGW S 31,200 H 48 280 (90)

Plumas

KF7AM/6 S 105,678 H 57 618 (618)

Riverside

W6EEN S 122,778 H 57 1077 (0)

Sacramento

N6JV S 57,222 L 51 374 (374)
 W6NKR S 36,864 H 48 256 (256)
 K6SG S 7,236 L 36 67 (67)
 N6BFN S 3,600 L 30 57 (6)
 KM6VU S 1,092 H 21 26 (0)

San Benito

No entry

San Bernardino

W6HAL S 80,080 L 56 545 (340)

San Diego

W6UQF* S 227,259 L 57 1716 (555)
 WA6UFY S 93,520 H 56 716 (238)
 KK6XN S 75,625 H 55 679 (17)
 N6CDA S 57,375 L 51 375 (375)
 W6MVW S 47,376 H 48 329 (329)
 AA6EE S 14,478 L 38 127 (127)
 N6AZE S 1,680 H 14 40 (40)
 N6YZJ S 720 H 15 24 (0)

San Francisco

KI6EZ S 91,292 H 58 787 (0)
 K6ILM S 88,368 L 56 668 (242)
 W6BIP (N1EE op) S 25,974 H 39 222 (222)

San Joaquin

KJ6DL* S 169,360 H 58 1448 (24)

San Luis Obispo

W6TKF S 144,666 H 57 1148 (242)
 W6UM S 112,104 H 54 692 (692)
 KJ6BK S 39,312 L 52 333 (90)
 K8HVT/M +N2AZS MS CE 44,679 H 53 359 (125)

Call. Class. Expedition. Score. Power. Sect. QSOs. (CW QSOs)

* Indicates new score record

California

• San Mateo						
N6NF	S	67,942 L	46	651	(175)	
W6PLJ	S	11,088 L	36	120	(68)	
W6KZJ	S	7,068 L	31	76	(76)	
KA6ING	N/T	1,800 L	18	50	(0)	
• Santa Barbara						
AC6T*	S	254,272 H	58	1947	(490)	
K8HVT/M +N2AZS	MS CE	13,098 H	37	166	(22)	
• Santa Clara						
W6QHS* (WN4KKN op)	S	329,208 H	58	2552	(572)	
N6TV	S	282,344 H	58	2158	(552)	
AA6KX	S	187,224 H	58	1387	(454)	
N6IP	S	154,454 H	58	1117	(429)	
AE6Y	S	136,590 H	58	980	(395)	
WA6GFY (N3AHA op)	S	32,310 H	45	336	(46)	
N6TPT	S	720 L	15	24	(0)	
• Santa Cruz						
WB6CJE	S	136,800 L	57	979	(442)	
NS6V	S	128,421 H	57	882	(489)	
AB6EQ	S	117,249 L	57	1028	(1)	
KG6AO	S	676 H	13	26	(0)	
AA6MV +N6ULI	MS	147,842 L	58	1105	(339)	
• Shasta						
W6BJH	S	65,023 H	49	505	(317)	
WJ6Q/M	S	20,558 H	38	224	(93)	
W6BYT	S	1,872 L	24	39	(0)	
W6ZQK/M	S	640 L	16	20	(0)	
• Shasta, Tehama						
N6WMF	S	8,432 L	34	93	(62)	
• Sierra						
N6JM	S CE	56,628 L	52	445	(199)	
WB6RXE +K16VC	MS CE	136,572 L	57	1094	(208)	
• Siskiyou						
WA6OZZ +N6EZN	MS	20,296 L	43	236	(0)	
• Solano						
WB6YRN	S	111,128 H	58	958	(0)	
K7VA	S	20,746 L	46	198	(55)	
WA6SBA	S	2,916 H	18	81	(0)	
N6NIC	S	2,852 L	31	46	(0)	
KD6MAY	N/T	56 L	4	7	(0)	
K6HIH +AB6EB, KD6JSC, KD6DXA	MS	195,402 H	58	1534	(301)	
KK6XA +KK6XB	MS	98,040 H	57	860	(0)	
W6JSB +N6UUG	MS	58,450 L	50	568	(33)	
KM6AC +KC6NKM	MS	21,384 L	44	243	(0)	
N6WVF +N7YYG	MS	16,974 H	41	207	(0)	
• Sonoma						
AA6YX	S	50,403 L	53	355	(241)	
N6YEY	S	23,322 L	46	183	(141)	
WW6D	S	21,420 H	35	204	(204)	
• Stanislaus						
WG6P	S	67,628 H	53	638	(0)	
• Sutter						
No entry						
• Tehama						
W6JEX	S	101,504 H	57	1021	(0)	
WB6FJE	S	67,222 H	58	535	(89)	
AA6GM/M	S CE	26,132 L	47	235	(86)	
N6EGN	S	16,613 L	37	216	(17)	
WB6KOE	S	1,125 L	15	25	(25)	
• Trinity						
WJ6Q/M	S	34,257 H	57	278	(45)	
N6IFW	N/T CE	9,240 L	28	165	(0)	
• Tulare						
W6IFC	S	27,900 L	50	198	(162)	
KC6HJJ +WB6YIK	MS	94,772 L	58	756	(122)	
• Tuolumne						
K16PG	S	16,072 L	41	196	(0)	

Call. Class. Expedition. Score. Power. Sect. QSOs. (CW QSOs)

* Indicates new score record

California

• Ventura						
N6VR (KA6SAR op)	S	286,230 H	58	2184	(567)	
KK6CY	S	49,302 L	54	404	(105)	
K6MP	S	19,065 L	41	170	(125)	
K8HVT/M +N2AZS	MS CE	7,800 H	30	117	(26)	
• Yolo						
N6YKL*	S	116,696 L	58	1006	(0)	
• Yuba						
W6BSY*	S CE	175,740 H	58	1444	(142)	

USA

• Alabama						
KC4TEO*	S	67,500 L	54	509	(232)	
AA4UF	S	56,728 L	56	448	(117)	
N4WNL	S	50,112 L	58	432	(0)	
• Alaska						
No entry						
• Arizona						
N7JXS	S	20,835 H	45	173	(117)	
W3FZV	S	4,050 H	27	50	(50)	
• Arkansas						
WA5SOG	S	44,460 L	57	356	(68)	
KB5IDB	S	18,522 H	49	189	(0)	
W6MHT/5	S	14,406 L	49	147	(0)	
W5LL	S	1,120 L	20	28	(0)	
• Colorado						
W0IZV	S	1,771 L	23	31	(15)	
• Connecticut						
WA1FCN	S	48,018 L	53	358	(190)	
• Delaware						
NX3A*	S	72,906 H	58	576	(105)	
NY3C	S	6,004 H	38	76	(6)	
• Florida						
K2UVG	S	29,538 L	54	264	(19)	
KN4Y	S	15,609 L	43	121	(121)	
K4MF	S	3,640 L	28	45	(40)	
WB4HJH	S	1,850 L	25	37	(0)	
• Georgia						
K6EID/4	S	54,606 H	57	426	(106)	
K4BAI	S	51,975 L	55	354	(237)	
KN4QV	S	46,494 L	54	336	(189)	
K4PIC	S	32,136 L	52	255	(108)	
K2UFT	S	27,264 L	48	200	(168)	
AB4HR	S	25,685 L	55	230	(7)	
WB5RYB	S	16,027 L	47	164	(13)	
N4UZ	S	168 L	8	7	(7)	
• Hawaii						
NH6T*	S	77,784 H	56	643	(103)	
• Idaho						
W7RH	S	24,957 L	47	200	(131)	
WO7Y	S	4,500 H	30	50	(50)	
KE7UH	S	3,300 L	25	66	(0)	
• Illinois						
N9JF	S	67,592 L	56	564	(79)	
WT9B	S	48,246 L	51	384	(178)	
N0FFZ	S	39,527 L	47	290	(261)	
N9NMC	S	24,910 L	53	235	(0)	
WB8SVN	S	6,698 L	34	82	(33)	
K9KKX/M	S	3,008 L	32	47	(0)	
KB9UM	S	2,000 H	25	40	(0)	
• Indiana						
KE9I*	S	129,862 H	58	1006	(227)	
AJ9C	S	110,432 H	56	912	(148)	
NV9V	S	14,596 L	41	171	(14)	
K9JWI	S	13,500 L	36	125	(125)	
KB0C	S	9,936 H	46	108	(0)	
W9CGI	S	3,162 L	31	51	(0)	

Call Class Expedition Score Power Sect. QSOs (CW QSOs)

* Indicates new score record

Iowa					
KC0GM	S	59,044 L	58	509	(0)
KZ0C	S	17,280 L	48	180	(0)
NOMMA +WE2F	MS	14,448 L	43	168	(0)
Kansas					
KC0EI	S	32,600 L	50	256	(140)
WB0YJT	S	11,340 L	45	126	(0)
Kentucky					
KM4FO	S	51,464 L	56	416	(87)
N4HID*	N/T	46,256 L	56	413	(0)
K2YJUM	S	13,965 L	48	136	(13)
Louisiana					
AA5ZT*	S	53,892 H	54	419	(160)
WB5TPW	S	43,740 L	54	405	(0)
NSII	S	43,624 L	56	362	(55)
NS0CD	S	12,690 H	45	139	(4)
KBSUZV	S	4,200 L	35	60	(0)
Maine					
N1KNH	S	1,700 L	25	34	(0)
Maryland-DC					
W3HQU	S	32,805 H	45	243	(243)
K3TW	S	9,560 H	40	103	(33)
W4KM	S	5,400 H	30	60	(60)
KBSAGN	N/T	782 L	17	23	(0)
Massachusetts					
WA1LXP	S	2,800 L	26	50	(0)
Michigan					
N8KSO*	S	84,588 H	57	669	(146)
AA8AV	S	78,010 L	58	570	(205)
AG8L	S	54,702 L	54	416	(181)
KB2MVF	S	25,228 L	53	225	(26)
KFBJA	S	8,102 L	41	111	(0)
KA8POW	S	8,580 H	39	110	(0)
WBWVU	S	6,156 L	27	76	(76)
K8CV	S	4,059 H	33	50	(23)
WD8LCH	N/T	1,392 L	24	29	(0)
KBAOM -N8NWA, N8TIB, N8OCU, N8OZO	MM	63,496 H	58	767	(78)
Minnesota					
N6VB0	S	26,676 H	52	213	(87)
WA0GIT	S	6,600 L	44	75	(0)
Mississippi					
NS0VV	S	41,580 L	55	378	(0)
Missouri					
K4LTA0*	S	84,246 L	57	693	(292)
W9HDH0	S	78,184 H	58	550	(248)
KB5LO0	S	60,320 L	58	520	(0)
W0QWT	S	29,500 L	50	248	(94)
KM0L	S	21,873 H	43	182	(147)
W0AV	S	11,286 L	33	114	(114)
WB0GFV	S	8,900 L	45	110	(0)
WA0OTV	S	3,192 L	28	38	(38)
K0JPL0	S	2,992 H	22	47	(42)
Montana					
K0PP7*	S	67,488 H	57	524	(136)
Nebraska					
WA0VBW	S	15,582 L	49	144	(30)
K0CAL	S	7,770 H	37	70	(70)
K0FPM	S	1,368 H	19	24	(24)
Nevada					
KZ4H	S	12,169 L	43	108	(57)
N7WWQ	S	1,680 L	24	36	(0)
New Hampshire					
W1BFT	S	12,726 H	42	101	(101)
WX8M/1 +W1HJT	MS	12,126 H	43	141	(0)
New Jersey					
WA2LBT	S	29,000 L	50	242	(96)
WB9IHH	S	19,968 H	52	140	(104)
AE2N	S	12,474 L	42	99	(99)
N2CO	S	10,914 L	34	107	(107)
K2EWA	S	5,040 L	35	72	(0)
New Mexico					
KJ5EY	S	18,207 L	51	171	(15)

Call Class Expedition Score Power Sect. QSOs (CW QSOs)

* Indicates new score record

New York					
N1CC	S	79,520 H	56	612	(196)
WA1KKM	S	35,588 H	51	281	(136)
W2HG	S	30,141 H	51	214	(163)
WV2B	S	10,468 L	42	104	(41)
KF2HM	S	7,828 L	38	103	(0)
W2KTF	S	7,326 L	33	74	(74)
WM2Y	S	7,070 H	35	101	(0)
K2AU	S	1,820 H	20	37	(17)
K2ONP	S	1,206 H	16	28	(11)
WJ2OM	S	4 L	1	2	(0)
North Carolina					
AA4NC	S	29,631 L	51	249	(83)
North Dakota					
No entry					
Ohio					
N6LXS*	S	79,515 H	57	545	(305)
N8FU	S	48,832 L	56	351	(170)
N8CWI	S	2,352 L	26	42	(0)
KB8MYD	S	1,776 L	24	37	(0)
NW8E	S	540 L	15	18	(0)
N8MZN +KB8KB, KA8ZGE	MS	11,040 L	48	115	(0)
Oklahoma					
N5MIH	S	13,824 L	48	144	(0)
KI5EL	S	9,810 L	45	109	(0)
AA5NN	S	4,455 L	27	55	(55)
Oregon					
AA7CP	S	24,941 L	49	198	(113)
N6TR	S	19,894 H	49	161	(84)
KI7Y	S	12,960 L	36	120	(120)
N7IXI	S	6,018 L	34	86	(5)
W6TKV/M	S	2 L	1	1	(0)
Pennsylvania					
W3ARK	S	39,061 L	53	273	(191)
N3BGV	S	39,015 L	51	320	(125)
WA3HAE	S	34,935 L	51	259	(167)
N3RJ	S	33,850 H	50	261	(155)
N3IXR	S	27,700 L	50	230	(94)
K3TX	S	8,172 H	36	88	(51)
N3CZB	S	3,306 L	29	38	(38)
KB3ADQ	S	1,776 L	24	37	(0)
Rhode Island					
KC1CU	S	26,730 L	54	209	(77)
South Carolina					
No entry					
South Dakota					
No entry					
Tennessee					
W9W14	S	36,608 L	52	270	(164)
KC4URW	N/T	8,370 L	45	93	(0)
Texas					
WK5K	S	42,498 L	54	323	(141)
W5ASP	S	39,249 H	49	267	(267)
WB5KIA	S	38,005 L	55	306	(79)
KB5KY0	S	37,800 L	54	329	(42)
WA5IYX	S	26,520 L	51	260	(0)
W5NR	S	16,641 H	43	157	(73)
AA5UO	S	9,568 L	46	104	(0)
WA5DTK	S	160 H	8	10	(0)
Utah					
K6XD7*	S	79,515 H	57	587	(221)
Vermont					
No entry					
Virginia					
K7SV	S	67,310 L	55	408	(226)
W4XD	S	25,155 L	43	195	(195)
W4SNH	S	19,656 L	42	156	(156)
K4RDU	S	16,185 H	39	147	(121)
K4BAM	S	10,764 L	36	109	(81)
NA4JED	S	10,260 L	45	114	(0)
KC4FJT	S	8,320 L	40	104	(0)

Call, Class, Expedition, Score, Power, Sect, QSOs, (CW QSOs)

***Indicates new score record**

• Washington

W7RGL	S	7,161	L	31	77	(77)
KX7L	S	6,498	H	38	66	(39)
K7WA	S	912	L	16	19	(19)
KA7PDH	S	56	L	4	5	(4)

• West Virginia

KC8FS*	S	42,750	H	57	329	(92)
KF8TC	S	35,881	L	53	257	(163)

• Wisconsin

NI9C	S	56,259	L	57	424	(139)
KB9S	S	47,170	L	53	363	(164)
KA9FOX	S	39,498	L	58	283	(115)
N9ICH	N/T	32,670	L	55	297	(0)
N9CQQ	S	31,416	L	44	238	(238)
N9JAK	S	23,970	L	51	224	(22)
KB9AMG	S	20,604	L	51	172	(60)
KB9ARA	N/T	12,768	L	48	133	(0)
W9HE	S	6,930	L	30	86	(59)

• Wyoming

No entry

Canada

• VE1/VO Maritime-Newfoundland

VO1SF	S	8,715	L	35	92	(65)
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• VE2 Quebec

VE2WJ2O*	S	40,229	H	49	331	(159)
VE2ABO	S	1,173	L	17	23	(23)

• VE3 Ontario

VE3 HX*	S	45,870	H	55	327	(180)
VE3ITA	S	27,540	L	51	270	(0)
VE3KK	S	15,840	L	40	132	(132)
VE3WJ2O	S	13,029	H	43	122	(59)
VE3TPB	S	4,422	L	33	63	(8)

• VE4 Manitoba

VE4GV*	S	113,332	L	58	872	(210)
VE4VV	S	18,816	H	48	172	(48)

• VE5 Saskatchewan

VE5AGM	S	12,423	L	41	116	(71)
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• VE6 Alberta

No entry

• VE7 British Columbia

VE7NKI	S	101,732	H	58	877	(0)
VE7CFA	S	950	L	19	25	(0)

• VE8/VY1 NWT-Yukon

VE8CM*	S	40,260	H	55	366	(0)
VY1JA	S	33,332	L	52	266	(109)

Call, Class, Expedition, Score, Power, Sect, QSOs, (CW QSOs)

***Indicates new score record**

Africa

No entry

Asia

JH8CLU	S	22,608	L	48	207	(57)
JJ7XTV	S	5,148	L	33	78	(0)
JA9CWJ	S	5,040	H	28	60	(60)
JE7JZT	S	3,480	L	30	48	(20)
JH1UUT	S	3,102	L	33	47	(0)
JA5APU	S	1,800	L	20	45	(0)
JA7BEW	S	1,368	H	19	36	(0)
JP1RZS	S	1,026	L	18	19	(19)
JA3UWB	S	795	L	15	20	(13)
JA1OHP	S	360	L	10	12	(12)
JR2TRC	S	264	L	11	12	(0)
JL1MWI	S	56	L	4	7	(0)
JA1STY	S	2	L	1	1	(0)
JA9XAT	S	2	L	1	1	(0)
JA7YFB (JH9XZG, JR7OEF op)	MS	2,125	H	25	40	(5)

Europe

GØMFO (AA6MC op)	S	11,000	H	40	107	(61)
LY2WW (AB6DK op)	S	6,665	H	31	76	(63)
GØW6RGG	S	6,048	H	32	69	(51)
G3IZJ	S	1,008	L	18	23	(10)
DJ8WD	S	546	L	13	14	(14)
ID9W7SW	S	3	L	1	1	(1)

North America

XE1/AA6RX*	S	16,544	H	44	139	(98)
HP1AC	S	12,987	H	39	111	(111)

Oceania

VK4BQL	S	585	L	13	15	(15)
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South America

LU6EF	S	15,725	L	37	150	(125)
PY2NY	S	14,124	L	44	131	(59)
OA4ANR	S	8,132	H	38	107	(0)
YV5BPG	S	756	H	18	21	(0)

CQP AWARD DONORS

The following donors have generously volunteered to sponsor a plaque for the 1992 California QSO Party.

PLAQUE
1st Place, outside CA
2nd Place, " "
3rd Place, " "
Low Power, " "
Novice/Tech " "
1st Place DX
1st Place CA
2nd Place CA
3rd Place CA

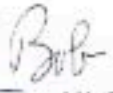
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WA6AUE
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KA6ING
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Most CW QSO's CA
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REDXA
N6XI
KA6ING
WJ6Q
W6JEX
AD6E
W6JTI
PAARA

Member News

Greg N6GJ has plans to rebuild his wind-battered antennas and get back on the air later this year. Go for it Greg! Larry KG6GF has a huge amount of new antenna hardware in the air on a beautiful Gilroy mountain top. His super multi-single effort in ARRL DX CW proves that the new antennas really work. Just wait 'til he puts up the last antenna, a 20 meter monster. N6BT has quickly restored his famous "short stack" of monster antennas at his Los Altos QTH, thanks to some unintentional "incentive" from the Los Altos City Council (a new antenna ordinance). Tom has 6 on 20, 6 on 15, 8 on 10, and rotatable dipoles on 40 and 80. These are the new Force 12 designs, and they really look great. Check them out from near the corner of Foothill Expressway and St. Joseph in Los Altos. And finally, there's a new TV star in our club. It's Andy, AE6Y. His story was featured on Channel 11's local news broadcast. Seems Andy went through all the appropriate channels and received all the required permits. He proceeded to put up a stack of new Force 12 antennas on a new tower. Then his neighbor complained that the new antenna had caused a drop in property value of over \$200K (!). If Andy moves first enough, he just might buy the house at that bargain basement price and turn it around for a nice profit. That's one way to beat that old line...

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JUGOLOGY QUIZ RESULTS

First to the phones were first to win this one. The clue:
 "UU2, UU2, UU2, UUA"

brought music lovers from far and wide to identify the Lone Ranger Theme, its composer and name of the work. And the top, first overall DUB goes to KIP EDWARDS, W6SZN, for his prompt, on-the-target shot:

"The William Tell Overture by Gianini Rossini."

Since this is not a musician's journal, we can graciously overlook the small liberty taken with the composer's given name. However, just so all will be aware that we noticed, one of the edible flourishes atop the new Rocky-road DUB, will be removed.

Second, third and fourth winners were: Ron, N6EE; John, K2MM; and hamerist AE6Y with:

"Do you know, Do you know, do you know its name?
 Do you know, Do you know, do you know its name?
 William Tell, William Tell, William Tell's it is,
 And Rossini gets the blame."

Each will receive an appropos portion of the new DUB.
 MARCH JUGOLOGY QUESTION IS : From this first line, identify the sea, the country by prefix, in which this poem is set:

"By the old Moulmein Pagoda, lookin 'eastward to the sea."

Those giving also title of the work and author's name will receive awards commensurate with their expanded replies as well as promptness, accuracy, and detail.

Editor awaits answers via packet or phone, 415-854-5717

WELCOME NEW MEMBERS

Four new calls were added to the roster NCCC in February. Larry Springer, KJ6PJ, lives in Cupertino, works for Lockheed Research, and has been licensed 25 years. Ken Silverman, WM2C, has been a ham 18 years, lives in Walnut Creek, and works for Pactal International. Dave Palmer, W4PAF, has his extra class license and has been a ham since 1957. He lives in Los Altos and is retired. Sandy Lynch, WA6BXH, lives in Santa Clara, holds an extra class license and has been a ham 30 years. Glad you all have joined. We hope you'll enjoy being active participants in NCCC's activities and events.

☆☆ AWARDS BANQUET ☆☆ SUNDAY, MARCH 21, PLEASANTON HOTEL

855 Main Street Pleasanton
 Cocktails at 5 pm Dinner at 6 pm
 \$21.00

MENU CHOICES

Marinated flank Steak, Zinfandel Sauce
 Grilled Breast of Chicken, Champagne
 Angel hair pasta Pomadori, roasted garlic, basil, tomatoes
 Meals include garden salad,, Focaccia rolls, rew potatoes,
 seasonal vegetables,
 Chocolate Decadence dessert and coffee

RESERVATIONS REQUIRED BY MONDAY

MARCH 15: ☎ Call 408-629-9480 evenings

☎ Fax 408-225-6370

☐ Packet Bob Wilson, N6TV

DIRECTIONS TO PLEASANTON HOTEL.

From Hayward: 80 to 680 South

680 to Bernal

Bernal East to Main St.

Left Main St.

855 Main St.

From Hayward: 580 East to Santa Rita Rd

Right on Santa Rita Rd.

Santa Rita turns into Main St.

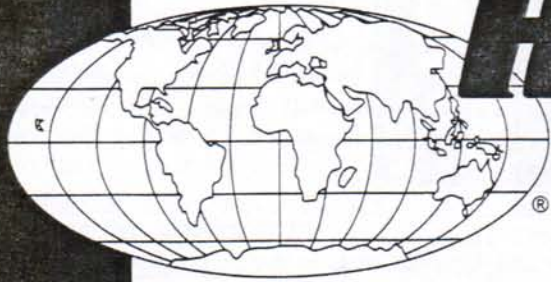
855 Main St.

From San Jose: 680 North

Bernal Exit go East

Left on Main St.

855 Main St.



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