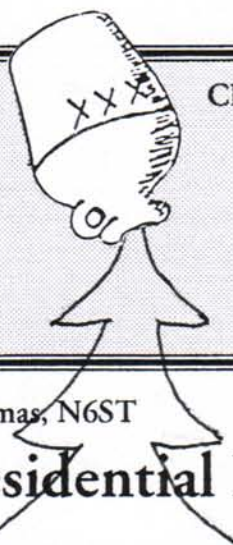


The JUG

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



Steve Thomas, N6ST

Presidential Proclamations

APPROACHING CONTESTS

de AE6Y

All in QST, Dec., page 129

December

- 11-12 ARRL 10-meter
- 31-1 ARRL Straight Key Night

January

- 1-2 AGCW-DL QRP Winter Contest
Michigan QRP Club CW Contest
- 8-9 ARRL RTTY Roundup
North American QSO Party
- 15-16 Winter NWQRP Sprint
HA-DX Contest
- 21-24 ARRL January VHF SS

The contests the club has targeted this year for special effort are now over. Thanks to all who participated. From what I have seen on the Internet and on the Packet Cluster, we have done very well. Whether we did well enough to win again is not yet clear (though I suspect we will come in second in SS).

The level of activity during CQWW was quite gratifying. Ace, N3AHA, operated from my station for the phone weekend. The value of compound interest ... uh ... compound scoring became very obvious on Sunday. From the time I woke up on Sunday morning until the end of the contest Ace increased his score by a factor of 5! If only money would accumulate so quickly. With each contact worth over 1200 points by the end of the contest, every extra JA really makes a difference. Ace found an opening on Sunday that netted a bunch for JAs before they went to work Monday morning. If he hadn't found that opening and had a pretty good run, he probably wouldn't have made a Milliyun points. Murphy did rear his ugly head with my 40 meter rotatable dipole having very, very high SWR. We lashed up an inverted Vee with the apex at 20 feet (yes that's right, 20 feet). - which is the highest non-rotating part of my tower. The best DX on that wimpy little antenna was JW!



Time is running very short to get your reservations in for the NCCC Christmas Party. See the final announcement elsewhere in this issue and make tracks to get your reservations made. There will be fun for all, so plan to be there and make reservations before all the spaces are gone.

HOLIDAY GREETINGS

AND

A HAPPY NEW YEAR TO ALL

FROM NCCC

AND

THE STAFF OF THE JUG

What's Inside

Dx Packet Map	Page 8
Andy's Homespun and Scores	Page 3
Trosteroster	Page 8
Travels with Andy	Page 6
Bulletin Board	Page 2
CW Sprint Scores	Page 4
Last Meeting	Page 7
Holiday Banquet	Page 5
Holiday Banquet Map	Page 4
Treasury Notes	Page 9

All You Ever Wanted to Know About Our HOLIDAY BANQUET

SUNDAY, DECEMBER 12

Is Said Inside on Page 5

It's the Best Party in Town . Santa himself says so and shows up every year to prove it. Presents and fun for all. We guarantee it.

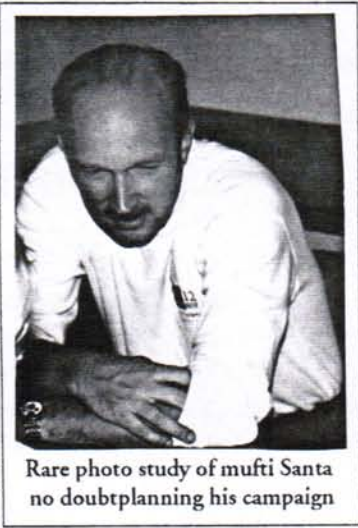
Be There and Bring an Ornamental Guest.

News 'n Views
Bulletin Board

►► ANNOUNCEMENT

LAST CALL FOR HOLIDAY
 BANQUET RESERVATIONS.

Ho Ho Ho Santa, Tom, N6BT, himself, with Number One Assistant Bonnie, sent a special message to the JUG personally inviting all of you to join the fun. He's climbing down off his tower, with a present for everyone.



Rare photo study of mufti Santa no doubt planning his campaign

In private telephone session with the JUG editor, Santa Tom, gave permission to announce to JUG readers that he would "try something different" this year. Hey, there you are! Is he not going to be Santa Claus? Peter Pan, maybe? Tarzan? Jack the Ripper? Be there. Be first to find out what this unequalled Santa has in store (sic) for NCCC and their glittering guests.

►► TOP TEN ZIP CODES

by Number Amateur Licenses

ZIP	HAMS	QTH
10314	1028	Staten Island, NY
90274	496	Palo Verdes, CA
06801	408	Bethel, CT
92708	405	Fountain Valley, CA
92646	392	Costa Mesa/Hungt. Beach, CA
00625	373	Caguas, PR
92683	367	Westminster, CA
00619	352	Bayamon, PR
94087	349	Sunnyvale, CA
94022	347	Los Altos & Los Altos, CA

Source HAMBASE 1/93 de N6TV

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.

►► Ages of NCCC Members as of 7/3/93
 TV Trivia de N6TV

From	To	No	
20	24	1	(N6TIB is 24)
25	29	3	
30	34	11	
35	39	15	
40	44	21	
45	49	28	
50	54	37	
55	59	17	
60	64	7	
65	69	3	
70	74	12	
75	79	4	
80	84	2	
85	89	1	(W6WB is 86)

Total 162
 Average Age: 50

Source: HamBase 1/93 NCCC Roster



TWO HAPPY FELLOWS AS THEIR ELECTION TO THE PACIFIC DIVISION BOARD IS ANNOUNCED, L TO R: DIRECTOR BRAD WYATT, N6WR, AND VICE-DIRECTOR, JIM MAXWELL, W6CF. CONGRATULATIONS FROM NCCC.

►► FYI World Traveller, Peter Jenny, now has the call AB6WM.

►► NCCC's Holiday Vision ►►

We know you aren't out there,
 O Santa, shining bright.
 But just in case, " Please hear me."
 "Bring around a tower, just the proper height."

de Veep AE6Y
Andy's Homespun

By the time you read this, SS will be history, both CW and Phone. The phone condx seem to have favored West Coast: amazingly, of the scores reported on Internet, KI3V is in first place nationwide, and W6QHS is in second!! Also, W1FEA is in second place low power.

I operated Low Power in both CW and Phone, but am not sure why it sure is frustrating! Operating low power is like being a stockbroker who makes cold calls all day and faces lots of rejection. There's probably some theory that says it's good for the soul, but I suspect it's only truly fun if you have a location like our low power champ, W1FEA.

One lesson learned is the need for better antennas on 40/80. Last year 20 stayed open right up to the bitter end of the phone contest at 0300Z, but this year the propagation slowly closed in until by 0115Z it was almost all northsouth. It was necessary to switch to 40 to keep active (or barely active, in my case).

NCCC Competition Hat Awards

Based on the claimed scores that I have,

The following ops get NCCC team hats: W1FEA, N6IP, AA6KX, WA8LLY, AA6MC, W6QHS, WA6SDM, NI6T, N6TV, AE6Y, N6ZB. Congrats to you all! I'm sure there must be others, so contact me if I've left you out (need 1000 Q's total in CQP, SSCW and SSPH, with 150 min in each).

Remember: you MUST INDICATE THE CLUB NAME ON YOUR SUMMARY SHEETS SENT TO ARRL!! Also note that sending scores to me only gets you in the JUG and 5 meg award through AD6E, but your score doesn't get in QST or count for club competition unless you send it to ARRL.

THERE ARE MORE OF YOU OUT THERE WHO HAVE LOGS AND HAVEN'T REPORTED SS SCORES. GET THEM IN PRONTO!

CQ WW CW Scores

(SO=Single op, S/A= Singleop assisted)

Call	QSO's	Zn	C	Score	Class
WR6R/KH6	4460	127	256	5,044,110	SO
KI3V/7	1288	148	390	1,813,598	S/A
K6GSS/KH6	1750	79	123	1,027,000	SO-LP
AA6MC	931	134	310	1,132,200	S/A
(@N6TV)					
WX6M	529	92	160	348,768	SO
K6XO	459	86	169	339K	S/A
K6SG	400	196	Z+C	315,320	S/A?
AA6KX	430	96	188	302,744	SO
N6DA	395	76	140	231,552	S/A
K6PU	245	80	144	147,840	S/A
NG6X	212	53	89	82,218	SO

Call	QSO's	Zn	C	Score	Class
WA6SDM	172	42	63	50,085	S/A
WA8LLY/6	103	45	62	29,318	SOLP
K6MA	80	26	35	11,590	SO
N2ALE/6	63	21	20	5,494	SOLP
W6BSY	1631	31	97	216,832	15
K6HNZ	309	28	56	75,432	40
EA9UK	14K			36M	M/M
(N6TJ, N6KT, WN4KKN, W6QHS, KK6QM)					
K7YNO	1392	120	300	1,521,660	M/S
(K7YNO, K2MM, N7STU, NI6T, AB6EQ)					
W6OAT	487	128	305	560,735	M/S
(+W6RGG)					

Early SS Phone Scores

(class: A= Low power, B=High power, MS=multi/op, assisted, etc)

Call	QSO's	M	Score	Class
KI3V	2281	77	351,274	B
W6QHS	2241	77	345,114	B
(KM9P Op)				
WC6H	2042	77	314,468	B
N3AHA	1630	77	251,020	B
W1FEA	1565	77	241,010	A
AA6KX	1520	77	234,080	B
KS6H/7	1229	77	189,266	B
(Wyo doesn't count for NCCC)				
W6BSY	1120	77	172,480	B
KJ6DL	1041	77	160,314	B
WR6R	1063	74	157,324	A
AB6WM	962	77	148,148	B
AE6Y	890	76	135,280	A
W6ISQ	821	77	127,000	B
NI6T	721	75	108,150	B
WA6SDM	595	77	91,360	B
N6XI	505	76	76,760	B
W6REC	500	75	75,000	B
WA8LLY/6	471	77	72,534	A
N6IP	460	77	70,840	B
N6ZB	442	73	64,532	A
NF6S	388	71	55,096	A
W6FAH	319	77	49,126	A
K7YNO	350	70	49,000	B
AJ6T	320	72	46,080	B
N6GRJ	261	73	38,106	A
N6MSQ	77	77	11,858	B
KA6ING	57	29	3306	B
N6TV	1591	77	245,014	MS
(+AA6MC, N1EE)				
NV6O	1496	77	230,384	MS
(River City Contesters)				
W6OAT	1105	77	170,179	MSA
(+W6RGG)				
N6EE	218	74	32,264	MSA

(SCORES CON'T., PAGE 4, COL 1)

SS CW SCORES

(class: A=Low power, B=High power, MS=multi/op, assisted, etc)

Call	QSO's	M	Score	Class
N6TV	1313	77	202,202	B
W6QHS	1248	77	192,192	B
N6RO	1248	77	192,192	B
K6KM(WM2C)1199	77		184,646	B
W1FEA	1106	77	170,324	A
AA6KX	1094	77	168,476	B
AA6WJ	1068	77	164,472	B
KD6WW	1046	76	158,992	A
K2MM(KM2Z)1038	77		159,852	B
W6ISQ	917	75	137,550	B
AE6Y	803	77	123,662	A
N6ZB	758	77	115,962	B
N6IP	765	75	114,750	B
W6RGG	719	76	109,288	A
K6SG	714	75	107,100	B
KS6H/7	713	74	105,524	B

(Idaho doesn't count for NCCC)

N6PN	685	76	104,120	A
AA6MC	682	76	103,664	A
W6BSY	667	77	102,718	B
NI6T	515	77	79,316	B
N6DA	431	75	64,650	A
W6XX	424	67	56,816	B
AA6QY	349	69	48,162	A
WA8LLY/6	231	72	33,264	A
AJ6V	197	63	24,822	B
K6MA	191	59	22,538	A
KJ6DL	203	53	21,518	A
N6EE	154	68	20,944	A
WA6SDM	161	56	18,032	B
WN4KKN/6	28	19	1,064	A
N2ALE	1	1	2	A
W6BIP	1048	77	161,392	MS

(+N1EE)

NV6O	666	77	102,564	MS
------	-----	----	---------	----

(+KM6AS)

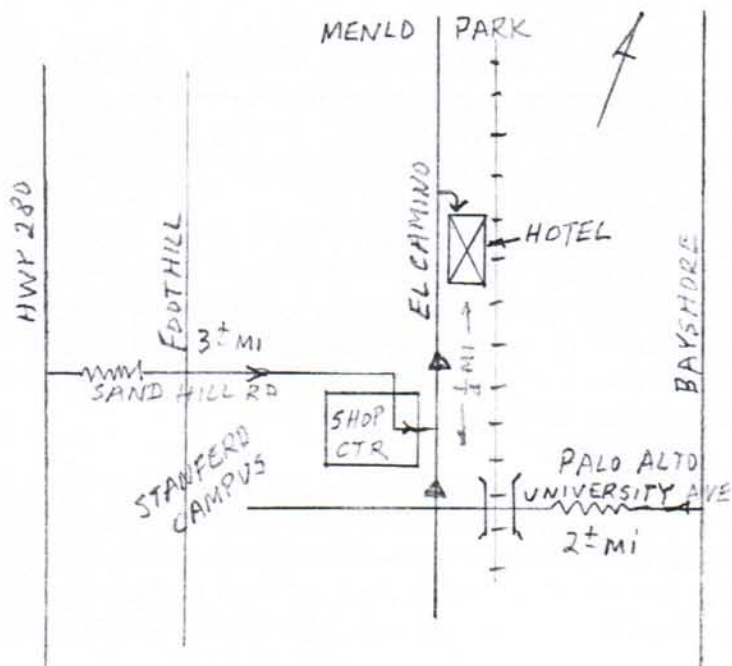
[ROUGH TOTAL 7.111M, W/O W6QHS)

Send all scores to me by DXPSN packet or by mail to:

Andy Faber
16321 Ridgecrest Ave.
Monte Sereno CA 95030.
(408) 395-9193

73 and KB, Andy, AE6Y

Directions and Map HOLIDAY BANQUET



Stanford Park Hotel is on El Camino Real between Menlo Park and Palo Alto, catty corner northward, across from the Stanford Shopping Center.

From Bayshore Fry, take the University Avenue turn off, west, continue through downtown Palo Alto under the SPRR bridge. Take the first right which is El Camino Real. Go about 1/2 mile, past shopping center on your left. Hotel is soon on your right.

From 280, take the Sand Hill Road turn off east, about 3 miles, through the Stanford Shopping Center, following the exit flow to El Camino Real. Turn left. Hotel is about 1/4 mile on your right.



If the identity of these two is not becoming very seasonally familiar to you, you should be coming to the NCCC Holiday Banquet, see map above, Sunday night, December 12, Hint-the one on the right is in mufti. That means he'll be wearing something different at the Banquet. See ya.

NORTHERN CALIFORNIA CONTEST CLUB

1993 HOLIDAY BANQUET

Sunday, December 12, 1993

6:00 p.m. — Reception

7:00 p.m. — Dinner

Stanford Park Hotel

100 EL Camino Real, Menlo Park

just north of Stanford Shopping Center, across El Camino

MENU

choice of

**New York Strip with Pearl Onions Cooked in
Bourbon**

-or-

Baked Sea Bass with Tomato, Capers and Lemon

together with

Seasonal Vegetables

House Blend Pilaf

Chocolate Decadence with Caramelized Raspberry Sauce

Cocktails and Wine available

from Cash Bar

6:00 p.m. - 10:00 p.m.

Price: \$28 per person Inclusive of Tax and Service Charge

**Send check, payable to NCCC, to Bruce Sawyer, AA6KX,
15430 Bohlman Rd., Saratoga, CA 95070**

Please indicate menu choice and number of persons

Part two of
Travels with Andy

de AE6Y

Ed. note. This is the second, and last, episode of AE6Y's saga in Argentina and Paraguay. He and his daughter went over for some skiing since it's winter there even though the calendar here says something else. They also met and were entertained by local hams as they moved from one place to another. First installment was in the September JUG.

Why there are so many strong signals from LU-land. Buenos Aires looks a lot like Paris, or even Washington, D.C., in that it's a city without skyscrapers. Rather, there are broad avenues (many of them named after someone's, or some country's birthday, like Avenida de 9 de Julio) with mid-rise buildings. Most of the buildings are under 12 stories or so. The amazing thing about the buildings, though, is that darn near every one of them has one or more ham yagis on a tower on top. Some of them even have wire antennas or feedlines going over to a neighboring building, or even across a narrow street.

We were on the 8th floor of a 12-story hotel. Looking out the window at the apartment building 50 feet away, I was pleased to see a 2 element 40 under a tribander on the roof. Imagine my delight when I heard him coming through faintly on the television! The most amazing antenna, though, was a tribander on top of a downtown apartment building. The building was about 150 feet high, and the beam was on a tower that looked equivalent to Rohn 25, easily another 150 feet above the building, with 5 sets of guys! I can't imagine what possessed someone to put up such a high tower, nor can I imagine who in his right mind would ever climb it (even Force 12's finest would blanch at the thought).

Anyway, that's why there are always strong signals from Argentina. It's not the propagation, but the fact that there are literally hundreds of hams with antennas in the clear on top of large buildings.

Speaking of Buenos Aires, we enjoyed some fine hospitality from LU3AEF, Isaias, and his wife Keki, LU7DM. Friend Joel, KT6J (proud possessor of the tallest tower in Monte Sereno) suggested we look them up, and they treated us to a very fine dinner and a visit to their apartment (with a TA33 on the roof, naturally).

Another neat thing about Buenos Aires, at least if you are there on vacation, is that it is a real night owl's place. Restaurants don't open for dinner until 8:30 p.m. or so, and if you arrive before 9 you're likely to be the only guests, surrounded by waiters polishing glasses. One Saturday night, we got out of an 11pm movie show at about 1 am, and there were not only thousands of people in the streets, there was also a line around the block to see the 1:30 am show!

Skiing. Nothing ham-related happened in the week we spent skiing in the Andes in Bariloche. It's a beautiful place, however, easily the equivalent of Lake Tahoe. It may be even more scenic, since the lake has a more interesting shape, with inlets, arms, islands, etc. I found it difficult to get good information about skiing in South America before the trip, so if anyone else is interested and wants to talk to an instant expert, let me know.

Paraguay. We spent about five days in Paraguay, which was quite a contrast from Argentina — much more what I thought South America would be like, as compared to Argentina which seems a lot like Europe. We looked up Luis Kemper, ZP5JCY, a friend of Trey's (WN4KKN's) from whom I had several QSL's going back 10 years (I'm sure everybody has worked him in phone contests).

Luis not only took us out to dinner, he also took us to the tail end of a Radio Club of Paraguay meeting. They seem like a cross between a local club and W1AW. They own their own building and have a good-sized tower growing out of the courtyard for ZP5AA. They also operate the QSL bureau, and had stacks of cards waiting to be sorted. But mainly, they know how to have meetings, complete with food served on — get this — real plates, and booze. There seemed to be a servant there, who promptly produced a beer when we walked in. There were about 15 guys there, and it was a very amiable bunch.

Luis is a successful businessman who lives in a large house on about 1/3 of an acre in a nice area of Asuncion and drives a Mercedes (he's in the import-export business, and also has the Puma concession for the country). The really neat thing about his house, though, was the four towers, one of them in his front yard. They're so big, they are painted red and white!

When asked about his neighbors, Luis shrugged and said that it was none of their business, since he can do what he likes with his property. My attempts to explain to him the California view of private property rights fell into a cultural abyss. He did allow as how he worked with them if there were interference complaints, so long as they didn't bother him on contest weekends.

Here's a pome about Luis:

Luis's Property

With red and white towers galore
His signal does jump to the fore.
His neighbors say nix
But they're not in the pix.
"Eh, what is my property for?"



Re-Cap of the Doin's Last Meeting

de W6ISQ

When KC6NFE and I arrived at the November meeting, (as usual after the pizza was consumed) TV-Bob was recording on a large sheet of paper all the pledges the fellas were making on how many QSOs, or the total score, they pledged to make in the Fone SS. Here's what he got:

	Pledge	Actual
N2ALE	500Q	152Q
N6BT	150Q	327Q
W6CF	150Q	14Q#
KI6CG	900x77 ?	
KG6I	100Q	294Q
N6IP	800x77	460x77
W6ISQ	W6CF+10	813Q
N6KT	150Q	zilch +
AA6KX	1300Q	1520Q
K2MM	500Q	?
W6OAT (+ RGG)	200K	170K
W6QHS (KM9P)	300K	345K
WA6SDM	600Q	95Q
NI6T 500Q	721Q	
AJ6T 200Q	320Q	
N4TQO	200Q	65Q
N6TV (N1EE+AA6MC)	250K	245K
AB6WM	500Q	962Q
N6WR	150Q	
K7YNO	500Q	350Q

COPY HARD TO READ. MAYBE 12 Q

+EXCUSED BECAUSE OF CQ-WW SCORE

One good story to emerge from the CW-SS. NI6T needed Arkansas for clean sweep, but contest was about over and he had guests coming for dinner. He began calling CQ AR and was answered by a lot of Texas stations. He saw his guests coming up the driveway but gave one last CQ AR and got a call from a N8—ugh—who was /AR!

EK-BOB announced he was going to an island off the west coast of Mexico to put on a new IOTA island on the air. He left Thanksgiving Day. I know he got there OK because I worked him as XE2/K6EK/XF1. Stay on the lookout. He should be there a few more days.

BRAD, N6WR announced that the Pacific Division election results were received. He was elected Director and JIM, W6CF, was elected Vice Director. Congratulations to both. We expect they will agitate for a change in Sweepstakes rules to allow W6s only to count 4 points per QSO. After all, we deserve it.

NI6T brought in the first six copies of the new 12 page Low Band Monitor Newsletter for those interested in 160-80-40. Interesting pub. Ask NI6T about it.

This must have been the shortest meeting on record. After the Fone SS QSO pledge thing was over Leader Bruce, AA6KX, in lieu of Prexy N6ST, out of town, adjourned the meeting after someone motioned and we all stood up and talked for another hour or so. Great meeting! Good stories and interesting operating and technical data all around the room. Wish we could have transcribed all of it for you who could not make it. Best solution—be there next time.

HAPPY HOLIDAYS TO ALL

73, Jack W6ISQ

A Clean Sweep

These are 6 the guys, at the meeting who each worked all sections L to R: W6OAT, N6TV, AA6KY, N1EE, NI6T, and N2MM. If you worked all sections and were at the meeting, you'd be in the picture too.





DX Announcements on the Northern California DX Packet Cluster 9/92-7/93
 Map created and contributed by Peter Jennings, AB6WM (ex-VE3SUN)

Notable Notes

TROSTEROSTER

Two great stories of dedication to contesting came my way this month. Each of which should be an inspiration to all of us out there who sometimes think, "Oh well, my score is too small to count" or "I'm tired. I'm gonna sit this one out."

Alan, N2ALE.

In the CW-SS you made one QSO and reported it for the benefit of NCCC. Your line read:

N2ALE 1 1 2.

I think that's neat and hope others who think their score too low to send it will take heart. You can't get a much lower score than this without sending in a "check sheet" so, your effort was exemplary and appreciated.

CQP Gets A Real Break

This letter from NX3A was sent to the JUG by Ken Anderson, K6PU, who is doing the tough job of checking the logs and writing up the October CQP. Ken wants to share this tale of hardship and woe before his CQP results are published in a few months. Maybe NX3A deserves a whole magnum of the good stuff!

"Thank you for your response regarding my wine from the 1992 contest. I received it last Wednesday. I apologize if I was too bothersome about it, but it is a unique award. I was in the 1993 contest this previous weekend. I had an interesting experience to share with you. I was setting everything up early Saturday morning to participate in the contest. I had to take my daughter to play with our school's band in a local parade. She was yelling at me to hurry because she was going to be late. In my haste, I hit my arm on a shelf and injured it. Already having one bottle of wine and envisioning a shelf-full of wine from successive contests, I knew if I went to the Doctor and it was broken or fractured, he would put it in a cast and limit my ability to contest, especially cw. With that in mind, when I returned from the parade, I got a towel full of ice, put my arm on that and began to operate the Cal Qso party with one hand. All of the cw was with my left hand, as well as typing everything on CT. At a couple of points in the contest I had rates of over 100 Q's per hour, which made it difficult to keep up with just my left hand. Conditions were not as good, but was able to barely break 70,000 points. I went to the Doctor this morning and found that indeed I had fractured my arm and it is now in a sling.

My wife thinks I was out of my mind for still working the contest, but your contest is the best of all the Qso parties. Hopefully next year, I will have two good arms and will be able to do a better job.

Very 73, Carl M. Dennis, NX3A

TREASURY NOTES

Financial activity thus far this fiscal year, compared with the budget approved by the Board of Directors:

	Budget	Actual
Membership Dues	\$3768.00	\$3746.00
Contributions to General Fund	-	\$ 332.00
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	-	(\$ 122.43)
Contingency Fund	(\$ 200.00)	(\$ 24.56)
Total	\$ 238.00	3094.39
+ Balance at Start of Fiscal year		+ \$2675.41
Current Account Balance (General Fund):		<u>\$5769.80</u>

Note on Club Badges. The following club members have purchased badges which are available for pickup: KD6BTJ, WA6ISX, AB6KF, AA6LB, NV6O, KM6OH, WX7P, KJ6PJ, AA6VB, KC6VIJ, N6ZPX. Please see me at any meeting to receive your badge; I bring them to every meeting. You may also contact me to arrange for alternative delivery. The club does not routinely mail the badges out to purchasers.

Bruce Sawyer, AA6KX

MAKE RESERVATIONS NOW FOR CHRISTMAS BANQUET

This is the last mailed notice before the big NCCC Holiday bash.

Date: Sunday, December 12

Time: Reception at 6:00 p.m., Dinner at 7:00 p.m.

Place: Stanford Park Hotel, 100 El Camino Real, Menlo Park

Cost: \$28/person, tax and service included

Menu Choices: New York Strip or Baked Sea Bass.

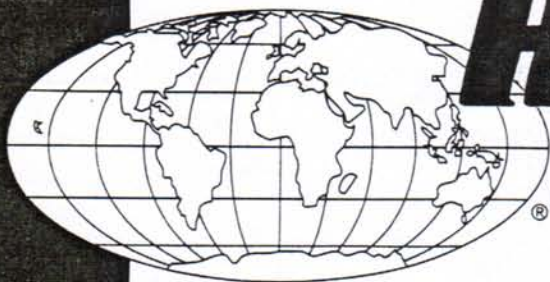
MC: Back by popular demand, N6BT.

Please get your reservation in NOW. Send your check, payable to NCCC to:

Bruce Sawyer, AA6KX; 15430 Bohlman Road; Saratoga, CA 95070.

All reservations MUST be in by December 7. If you leave things to the last minute, you can contact me via packet or at Internet address sawyer@tgv.com or via telephone (408-741-0518) in order to hold yourself a place.

— 11 STORE BUYING POWER —



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

Phone Hours:
9:30 AM
to 5:30 PM

Store Walk-In
Hours:
10:00 AM
to 5:30 PM
Closed Sundays

NOW TOLL FREE
IN CALIFORNIA!

CALL TOLL FREE:

854-6046

KENWOOD

TS-950SDX

RM-1 Included



(Shown with optional SM-230 & SW-2100)

NEW 150W MOSFET Finals • Voice Keyer Optional
NEW DSP on RX + TX • **NEW** CW Memory Keyer
NEW CW Filter in Sub-Band Receiver
NEW RM-1 Included • **NEW** S Meter for Sub-Band
General Coverage RX • Built-In AC Supply

KENWOOD

TS-850S

HF Transceiver



Advanced Technology Performance
108 db Dynamic Range, Optional DSP
CALL FOR LOW PRICE

KENWOOD

TS-50S

HF Transceiver



World's smallest HF transceiver
100W out, SSB, CW, AM, FM, 12V
Gen. Cov. RX, 6.4 lbs., 7.16 x 2.4 x 9.32"
105 db dynamic range, 100 Memos.
Optional external ant. tuners available
CALL FOR SPECIAL LOW PRICE!

Special Kenwood Discount Coupons

In celebration of TGIK Day in Anaheim, Saturday, December 18,
all stores will give special one day additional Kenwood Discounts.

December 1993

NCCC

44 Toyon Terrace

Danville, CA 94526

FIRST CLASS

FIRST CLASS

FIRST CLASS

Membership paid thru: June 1994

Charles Epps, W6OAT

651 Handley Trail

Redwood City, CA 94062



CHRISTMAS



Giovanni Battista Cima, c.1477
North Carolina Museum of Art

