Bruce Sawyer AA6KX

Presidential Pen

Lessons Learned from the Other Side: The experience of running a pile-up from the DX side is, for me, always an humbling experience. No matter how hard I try or how many times I have the experience, I'm always faced with the realization that I probably will never even come close to the skill level of some of the great ops we hear getting giant scores



from places like P4 and HC8. Still, it's a fun experience and an invaluable learning opportunity. The lessons learned are useful not just for running a pile-up, but also for breaking other operators' pile-ups. With the ARRL DX contest coming up in just a few weeks and most of us stuck here in California doing a long weekend of S&P, I thought it might be helpful to share some observations I made while on the other side of the pile-up in ZF8. Most of this is obvious when you think about it, but rarely do we sit down and role swap so that it does become obvious.

Listen First: Probably the most important thing to do when you encounter a big contest pile-up is to listen. You can go ahead and contribute to the overall noise level right off the bat if you want to, but unless the pile-up is small or your signal is extremely strong this probably won't be effective. You'll get through more quickly if you first figure out how the guy is operating. Does he have a rhythm going in his pile-up? If you can decipher that rhythm, that will tell you when to call. Where are the stations he is answering? Are they all zero-beat on his frequency or does the pitch you hear vary from one station to the next? What about speed? Are all the stations he's answering sending at the same speed? Does the operator answer tail-enders, or are these guys being ignored? You can pick all of this up in just a few seconds and the information you gain will probably save you precious minutes in getting through the pile-up.

Getting Through: When you're on the receiving end of a big pile-up, there are occasionally a few stations you can hear sailing over the top of all of the other signals. But very few do. Certainly the number of people who can cut through like this is way smaller than the number who think they can. (This is a not-so-subtle hint. Unless you really know different, you ought to assume your signal sounds just like everybody else's.) What the DX operator hears is like a wall of noise. Any one of those hundreds of signals is easily copyable, but when they're all thrown together it's just noise. So the secret is to set yourself apart from that noise. In general, that means being just a little different from the crowd either in time or in pitch,

(Pen Con't Page 8 col 1)

Upcoming Contests

January						
14-15						
JIDX Low Band CW	(See inside)					
NAQP CW	QST, Jan. p.127					
NW QRP Sprint	QST, Jan. p.127					
Midwinter	QST, Jan. p.127					
HA DX	QST, Dec. p.123					
Lions ph 21-22	QST, Jan. p.127					
NAQP ph	QST, Jan. p.127					
ARRL VHF SS	QST, Dec. p.119					
ND QSO	QST, Dec. p.123					
YL-ISSB CW QST, D 28-29	ec. p.123					
CQWW 160m CW	QST, Dec. p.123					
UBA ph	QST, Dec. p.123					
REF ph	QST, Dec. p.123					
28-5 Feb						
ARRL Novice Roundu	pQST, Jan. p.126					
February						
4-5						
NA Sprint phone FOC Marathon	QST, Jan. p.127					
VT/ME/NH QSO	QST, Jan. p.127					
11-12						
NA Sprint CW QST, Ja	an. p.127					
YL-OM ph.	QST, Jan. p.128					
18-19 ARRL DX CW	QST, Dec. p.122					
25-26						
CQWW 160m ph	QST, Dec. p.125					
RSGB 7MHz	QST, Jan. p.128					
REF ph	QST, Dec. p. 123					

Next Meeting

QST Dec. p. 123

Date: Friday, January 20, Time: 6:30 Gather for pizza

7:30 Meeting

Cost: \$6.00

UBA CW

Place: California Microwave cafeteria

See Page 2 For Details and Directions

Directions and Map for Next Meeting, January 20

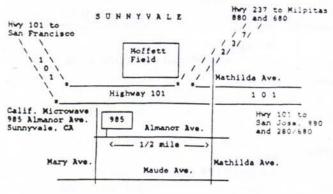
We have a special treat planned for January. By popular demand, the YKOA team is going to tell all about operating CQWW from one of the rarest DX spots in the world. Come see and hear about getting through Syrian customs, setting up a top contest station from scratch, and then being the focus of some the biggest pile-ups ever heard. After it was over, so we hear, some of the NCCC crew decided to go native by taking a leisurely camel ride. This, you gotta see to believe!

Date: Friday, January 20.

Time: Gather for pizza at 6:30,
Meeting starts at 7:30.

Cost: \$6 for pizza

Place: California Microwave Inc. cafeteria.
Take 101 to Mathilda (just south of Moffett
Field) and exit west onto Mathilda. Turn right at
the first street after you exit 101; this is Almanoor.
Follow Almonoor as it runs parallel to 101 up
until it turns west. California Microwave is right
at the bend in the road.



The Northern California Contest Club

President, Bruce Sawyer, AA6KX Vice-Pres/Contest Chr., Bob Wolbert N6IP Sec/Treas, Dick Dievendorff,, AA6MC

Directors: Al Maenchen, AD6E

Dave Leeson, W6QHS Steve Thomas, N6ST Bob Wilson, N6TV

JUG Editor John Troster, W6ISQ

82 Belbrook Way Atherton, Ca., 94027 Publisher, Maggie Troster, KC6NFE

The JUG is the journal of the NCCC, published monthly. Copies are mailed to members whose dues are up-to date. Send material for publication before last Monday of the month.

REQUEST FROM VY1JA/XN9JA

NCCC has received copies of 2 letters from Jay Allen, VY1JA/XN9JA, telling of his frustration with phone sweepstakes. At his request, they also have been sent to NJC for publication, but some of the problems he has are worth pre-printing here so we can think about them, and come up with some direct help for Jay. He sounds fairly desparate and is sending this plea to us and to readers of NCJ.asking us (and everybody!) to consider the very serious pileup problem from VY1, which has propagation problems Big Time..

Here are a few excerpts from what he worte. "I tried to pick out single calls and work one at a time....I tried picking out 10 from a group.... I tried making a list...I tried working split....I tried working by call area and even going by section. No matter what, someone was unhappy. ...result was a very low QSO rate due to impatient operators dropping call signs...

"I became so frustrated by my inability to control the pileup that I had to leave the shack and relax to prevent stress ...I have done all I know how to do to control the pileups, spent money of a tower, quad, and amplifier to make my signal better, spent time with helpful people like the fine group from Northern California Contest Club and fought Murphy every step of the way.

"Keeping my rate up is important to YOU because the higher my rate is, the more likely you are to work VY1/VE8.

"What do I need from you? I would like serious contesters help me make an operating plan that will allow me to work as many people, including QRPers, weak stations in as many sections that propagation, QRM, and malicious interference will let through. I would like to have something like an agreed method for me to use working the pileups that the main body of successful contesters can support. I would also like help in controlling the lids that won't let me get more than 45 QSOs per hour when a little relief from improper call dropping could result in 450.

"I will not endanger my health for another contest! If it is necessary I will QRT.

"Please (get) together at your contest club meeting....and let me know the best way to handle the situation. The ball is in your court."

Seems appropriate for the top contest club to respond to this. We have the know-how and what would we do for a clean sweep if Jay weren't there? How 'bout "VY1JA Committee of TopOps" Their findings could be read at a meeting and everyone could add suggestions as well as benefit from the ensuing discussions and proposals.

Bulletin Board

This is the first time you've heard it, but it won't be the last. Ed, scientific and serious -minded type he is, is in the tank putting final tune-up to rules and regualtions for a contest of Big Time import for all NCCC'rs. This contest will be announced in next month's JUG, and no, not one, not a single hint as to what it all is about will be imparted to anyone before that publication hits the stands. We can say it will call forth a lot of your heavy brain cells.

de N6IP

Wolbert's Words

Happy New Year 1995! The second half of the '94-'95 contest season begins this month, as a quick glance at the Upcoming Contests Calendar on the front page suggests.

We have a great deal of momentum going with our (nearly certain) victory in Sweepstakes. What is our target this time? Shall we take WPX again? Come to the meeting and voice your opinion!

Congratulations to our contest winners: Speaking of WPX, CQ mag lists the high claimed scores from the CW test in their "Collector's Edition" this month. And it is full of NCCCers! Four made the SO All-Band listing: AA6MC, NI6T, AA6KX, and AE0M. The multi-single team at AG6D is holding second place, US. Packet assisted ops AD6E and W6OAT made the listing, and single band ops W6RGG and W6BSY are also high scorers. We must wait until May for the final results.

Sick of SS Yet? Well, not so much you don't enjoy our victory, I hope. The NCCC official entry was submitted on deadline and showed NCCC breaking the 11 million point mark with 123 entries totaling 11,041,434 points. Not since 1981 has any club achieved either of these levels (initial Jughead award applications show we had about 150 stations on the air). Congratulations to all of you for making this

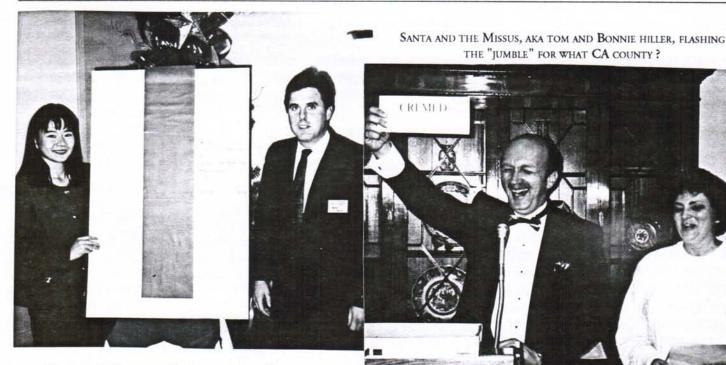
happen! Scores received or corrected since the last JUG are show below. We scored an astounding 52 clean sweeps. About 30 ops will win the coveted NCCC cap award, 20 of them with the special endorsement for 100k points on both modes. And 29 stations made over 1000 QSOs.

CQWW Totals: We also submitted a club score for CQWW. While we do not have a winner here, a very respectable total results due to high scoring NCCC expeditions. I did not receive Trey's HC8N score or the HC8A total, but I predict we will break 30 million points for CQWW '94.

JIDX Low Band Contest Both QST and CQ topped their fouling-up of the JIDX contest rules last year by not even printing them this year. While this is by no means a major contest, it does deserve the attention of West Coast contesters. Let's play in their game so they continue to play in ours. The low band (160 to 40m) CW version is 13 to 15 January from 2200Z to 2200Z. The high band test is 14 to 16 April from 2300Z to 2300Z. The exchange for us is 599 03 and the JAs send report and Prefecture number.

The "Jughead": The Jughead Award is presented to the NCCCer who makes the most QSOs with other NCCCers during Sweepstakes, and is presented at our March banquet. Deadline is extended to March 10 so more of you can check against an up-to-date roster. To enter, send me your SS dupe sheet with NCCCers circled or highlighted.

ARRL 160m Contest It was a busy month. Our club entry for the ARRL 160m contest shows 251,710 points.



MIKI AND IP-BOB WITH BOB'S EYE-POPPING THERMOMETER CHART OF NCCC GOING OVER THE TOP IN SS These are additional Sweepstakes Scores (full list available on request)

New or Rev	vised SS	CW				CQWW C	W (con't)				
Station	QSOs	Sect.	Score	Class	Hours	Station	OSOs	Z	<u>C</u>	Total	Class
N6TU	1003	77	154,462	SO-B		AA6MC	1479	126	259	1,597,775	M/S
N6RC	547	77	84,238	PKT	18	(+ NI6T,	AE0M)				51000100
W6PYX	482	76	73,264	SO-A	24	YK0A				11,780,000	M/M
WB6DSV	410	72	59,040	SO-B	12	(W6OAT	N6TV, K	6ANP.		W0YK, 30	
					VP5VW 2,625,000 M/M						
New or Rev	New or Revised SS Phone				(W6RGG	+ 7 others)				
Station	QSOs	Sect.	Score	Class	Hours	ZF8BS	2946	93	205	1,899,154	SO-LP
AI6V	1592	77	245,168	SO-B		W6EEN	1606	129	264	1,714,266	(SCCC)
N6RO	1260	77	194,040	SO-B	18	(KA6SA				50 5 (650)20	
K6HNZ	1180	77	181,720	SO-B	23	No. Post Post Post Post Post	N. 10 M.				
W6RJ	1037	77	159,698	SO-B	14	ARRL 16	0m CW				
W6SUN	609	74	90,132	SO-B	19	Call	OSOs	Sect	Cntrs.	Total	Class
W6PYX	377	74	55,796	SO-A	22	W1FEA	625	83		107,236	HP
K2MM	334	70	46,760	SO-B	8	NI6T	565	71	4	89,250	222
W6ISQ	299	77	46,046	PKT	11	W6BIP	248	56		28,112	LP
AC6AH	194	66	25,608	SO-B	16	K6LRN	141	47	1	13,680	LP
W6OAT	184	67	24,656	PKT		K6BPB	111	26		5,772	
WB6DSV	164	62	20,336	SO-A	7	WA8LLY		33	0	5,412	LP
AB6YL	153	60	18,360	SO-B	5	WA6TKV		22		2,068	LP
KD6WKX	167	52	17,360	SO-A	12	N2ALE	10	9	0	180	LP
WW6D	141	59	16,638	PKT						2,752	
NB6L	145	56	16,240	SO-B	4	ARRL 10	m				
N6TU	152	51	15,504			Call	QSOs	State	s Cntrs.	Total	Class
N6IPE	105	44	9,240	SO-A	7	WIFEA	938	115	0.110.0	305,900	MIX/HP
K6BPB	74	41	6,068	SO-A	5	K6HNZ	750	57		85,500	PH
W6BIP	76	28	4,256	SO-B	2	KJ6DL	283	63		55,188	LP
N6TV	6	3	36	SO-B		AA6KX	287	52	2	48,060	MIX/Q
Out-of Region						AB6YL	133	47		15,980	MIX
W6EEN	2107	77	324,47	8MS	24	AB6YL	133	47		15,980	MIX
(+SCCC gro						N2ALE	4	1	0	8	PH/LP
CQWW CV	V					Other Sco	ores				
Station	QSOs	Z	<u>C</u>	Total	Class	CQP					
K6MA	281	89	156	188,650		KD6KKP	114	33		10,791	(Novice)
AB6YL	260	64	91	103,230						W 1.00 17 (20 12)	A STANDARD CONTRACTOR
WA8LLY/6		63	87	56,250	SO-LP	CQWW P	Н				
K6LRN	140	54	67	43,318		N6RO	506	33	75	154,764	7 MHz
AA6YX	96	31	41	16,992		W6ISQ	65	16	15	5735	28MHz
W6FAH	146	67	93	62,880	SOA	N2ALE	10	6	6	288	7MHz
W1FEA	410	29	69	110,250	40m			5072	7-01	111000551	yamai ame
W6BSY	242	27	61	55,440	15m	TARA RT	TY SPRIN	T			
W6ISQ	30	13	17	2,070	10m	WA6SDM		28	5	3234	
KJ6DL	28	15	15	1,920	40m	-					_
N2ALE	3	2	3	25	20m	Another Record Recorded by NCCC					
AG6D	1893	137	269	2,102,26						s Party, that	
(+N4TQO, K				- A		SS total was					
,		/				in 13 years a	any club ha	s score	d that h	igh.Congrat	ts to all.

in 13 years any club has scored that high. Congrats to all.

Become a World Class Contester in Four Hours?

Are you looking for a new challenge in contesting? Are you an "average" operator looking to improve your skills? Are you a masochist? If you answered YES to any of these questions, I've got a contest for you! Its called the Sprint, and its guaranteed to make you a great operator (or else kill you). Its not for the timid-but then what contest is? The sprints feature very strange rules and are real adrenaline-fests where you slug it out with the best operators around. You are not a "real contester" until you have entered a sprint and given it your best.

As the name implies, the sprints are short and dynamic. The "regular" sprint, sponsored by the National Contest Journal, is named the North American Sprint. It lasts four hours and is held twice yearly (February and September) for both CW and phone. A newer form of sprinting, the Internet Sprint (or SprINT), runs for two hours and is called by N6TR at less-than-regular intervals. SprINT is CW-only.

As mentioned, sprint rules are unusual. You may not run stations. After getting an answer to a CQ, you must QSY before calling another CQ (or answering another station, for that matter). You must send both your call and the station you are working's call for a valid QSO. The Sprint exchange is serial number, name, and state.

The SprINT is even more confusing because of two modifications to the rules: 1. dupes are allowed (after three intervening QSOs) and 2. you send the name you received from your previous QSO.

field an unlimited number of ten member teams; a reasonable goal is three teams consisting of thirty sharp ops. NCCC has several times more than that! In fact, I'd like to keep taking second place-with NCCC's

A brief comparison of the two sprint types:

NCJ Sprint SprINT 4 hrs. 2 hrs Length either 20 & 40 or 40 & 80 Bands 20, 40, 80m Dunes? No: one Q per band OK after three intervening OSOs When? N6TR calls them with an an Twice yearly nouncement to the Internet Contest Reflector with a couple of weeks advance notice Log Submit Digital format Submission via Internet required*

STRONGLY recommended (arm twisting is fierce)

Team Compet Yes No

*N6TV has volunteered to assist those NCCCers lacking Internet, with log submission.

Accuracy, important in the NA Sprint, is paramount in the SprINT. In either contest, please study the rules carefully before you enter.

The comparison hox above also gives you a hint as to my purpose: guess which club has the most SEC-OND place finishes in the NA Sprint

> (CW). Yup, the same club that has not won one-at least not for a long time. Perhaps I can interest you in changing that sad state of affairs? Scott, N1EE/6, has been coordinating NCCC's CW Sprint team efforts for quite a while. He needs some help from you so we stop being the bridesmaid and start getting some action! We can

team #2! A 1-2-3 finish? Well, let's think about that one next year...

Scott must register our team rosters before the contest begins, so we cannot gerrymander them afterwards. If you haven't run a Sprint, I strongly recommend you accept an assignment to one of the "lower" teams. The learning curve is steep, but again, it is similar to your first CW contest-didn't your code speed take a quantum jump between the start and Sunday afternoon? The Sprints are just like that: your operating ability will be remarkably improved after only a few fast hours. The next Sprints are next month: phone on 5 February and CW on 12 February, both are Saturday evenings local time (note: OST messed up the dates). Why not give Scott a call, (408) 379-6185), and sign on one of the teams? You'll be a better operator for it, guaranteed!

de N6IP and N1EE

A typical series of QSOs sounds like this:

(K2MM) CO NA K2MM (N6IP) N6IP N6IP DE K2MM 322 JOHN CA (K2MM) K2MM 299 BOB CA N6IP NA (N6IP) (K2MM) E (note: John confirms reception of the exchange with one or two dits, then QSYs (after very brief pause) NA N6IP NA (N6IP) (N6TV) N6TV N6TV DE N6IP 300 BOB CA (NoIP) (N6TV) N6IP 148 BOB CA N6TV NA (N6IP) E (then QSYs)

And so on. Note that all of this happens on a single frequency. Get the idea? It's more thana bit confusing! (Pen Con't.)

or perhaps in both. Even if the DX station is using narrow CW filters, you can give your signal a different pitch that will stand out by setting your TX offset up or down maybe 30-50 Hz. I've had K6MA do this to me many times, and it's always amazing to me when I pull Stan's very averagestrength signal out of a big pile-up just because he has a different pitch. The same technique will work on phone, although the offset you use will be a little larger. If you can hear that the DX operator is intentionally tuning around the edges of the pile-up picking people to answer, this should tell you something. Get on the edge! And then there's the issue of timing your call. If the DX operator has a tight rhythm going, there's not much you can do here. He's going to answer one of the stations that answers immediately after he turns the line around and your only latitude is in signal strength and pitch. But most operators can't get that tight a rhythm, even though they would like it, and gives you some freedom in choosing your time to call. The trick is how to be just a little different from everybody else and yet still fit inside the window in which the operator is going to pick out a signal. For my book, W6ISQ is the absolute master of this. To Jack, it's probably intuitive by now, but I do wish we could get him to analyze his techniques and share his secrets with the rest of us. Finally, there is the technique of tail-ending. But be careful! You only want to try it after the whole exchange has been sent and you know the DX station has all the information he needs. Send your call once, only once, just at end of the other station's transmission. Personally I never answer tail-enders, even when they're easy to copy. The reason for that is that I'm always afraid I'll lose control of the pile-up on subsequent iterations. I've had it happen, so this isn't an unfounded fear. I suspect all but the very best

operators have that same fear.

The Exchange: Once the DX station comes back to you, the difference between a contest pile-up and a DX pile-up really shows itself. If this were a DX pile-up, the operator would already have everything he needed from you and the contact would be virtually complete. After all, the 59(9) is just pro forma. But in a contest pile-up, the situation is different. The DX operator really does need your exchange. You might think it's obvious and intuitive that call zone 6 equals CQ zone 3 equals state of CA, but a DX contest station doesn't see it that way. He needs to hear your exchange. You should stick around long enough to hear whether the DX station comes back and asks you for it again. You might think you got the exchange out in the clear, but there are just too many inept tail-enders around for you to trust that. In the last CQWW, there were literally tens of QSO's I erased from my log because somebody stepped on the exchange and I couldn't get the station back to give it to me again. When you know that N6TR's software is going to finecomb your log and that each busted contact is going to cost you three good contacts, you just can't take a chance. So beware, and stick around to make sure it's a good contact!

Partials: Usually the DX operator is trying to keep a steady rhythm going as he works people. After each contact he signals a CO and waits while people call him. Ideally, he listens for about 3 seconds and comes back with a full call. But what if he doesn't have a full call after that 3 second dive into the pile? Then he has a choice: listen for longer or come back with a partial call. My opinion is that listening for longer is likely to encourage people to send their call over and over on successive iterations, so I'll opt to keep the rhythm the same and come back with a partial. This varies by operator, which is why you need to listen to the rhythm of the pileup. If the operator does come back with only a partial, there are several scenarios which can unfold:

The ideal situation is that only the people who really match the partial call come back and give their call, and only their call. Then the DX operator comes back with a full call and the exchange, the station he is working answers with his exchange, and then the next iteration of contacts can start.

The reality is that about a third of the pile-up answers with calls that don't even remotely match the partial the DX operator is trying to fill. (And please don't try to tell me the U.S. operators are any better about this than the Europeans. They're not.) The DX operator may or may not hear the station he was trying to work. If he does, and can get the whole call despite all the interference, then we're really back to the scenario above. But what if he doesn't? (a) The DX operator may just grab any full call he hears in the pile-up and continue normally. He just better hope he doesn't need to ask for any more partial fills for a long time, because the people in the pile-up have just been taught to call no matter what the DX operator asks for. (b) The DX operator may come back and ask for the partial again. If he does, you are better off not to try to horn in. You can easily end up with your call on that list of people the DX operator keeps of people not to work! Let him get the partial fill. (c) Often several people will come back just knowing they were the one the DX operator wanted and send their call and the exchange. And a good percentage of the people who do this then go merrily on their way, thinking (wishing?) they got the contact when they weren't even close. They don't even bother to stick around to hear confirmation from the DX station. I hear this happen very, very frequently. And this is precisely what log-checking software is all about! My suggestion on a

(Pen Con't Page 9 col 1)

(Pen con't from Page 8)

request for a partial fill is as follows: If the DX operator gives a partial and the exchange, then you should come back with your call and the exchange. If he comes back only with a partial, then you should give only your call and wait for him to come back to you before giving your exchange. The reason for this is that the DX operator is most likely very fatigued. Don't forget that operating a major DX contest requires cramming the equivalent of six eight-hour days of frenetic mental activity into a single weekend having very few breaks. Because of this, that poor guy's tired brain can only handle one task at a time. The first thing he has to do is get your call straight, and if you're throwing your exchange at him while he is trying to straighten out the call sign field on his computer you're likely to be adding to his confusion. Even if your exchange was sent in the clear (an unlikely case), he probably wasn't listening. Above all else, stick around for confirmation on the contact.

Call Corrections: On CW, one of the biggest causes of busted contacts I hear runs as follows. The DX station gets that wall of noise and picks out a call. He comes back quickly: "W6XYZ 599 n". W6XYX jumps for joy because he got through and fires back the exchange: "599 3 DE W6XYX", When the dead-tired DX operator hears "599" he thinks everything is fine and as soon as he hears the "3" he reaches up and punches "+". When he does, of course, he steps on the call correction and the pile-up roars back at him. Moral: correct your call at beginning of the exchange, not after it. And if the DX station does get your call right, you really don't need to give it to him again. Particularly if your signal is very weak, the DX operator may be led to think he got your call wrong the first time and wonder why you're correcting him. This can lead to an extra iteration that wastes everybody's time.

Finally, I think I should close with one last warning about antagonizing the DX station. You might think you're just being "aggressive" by calling repeatedly, by trying to steal contacts from other people when the DX station asks for a partial fill, or by ignoring requests for "JA ONLY" or "EU ONLY". You do this at your own peril if you don't know the guy at the other end. In CQWW, I had one N2xx station do all of this stuff to me. I made sure I worked him only when there was absolutely nobody else in the world left to work.



Treasury Notes

de AA6MC

December 31, 1994.

We welcome new member Barry Bettman, WB6UTY, who joined us at our December meeting.

1994-95	YTD Actual \$4240 \$ 300						
Plan							
\$3780							
\$ 300							
\$ 100	\$ 404						
8.000	\$ 30						
S 0	\$ 16.50						
\$4180	\$4990.50						
(\$2600)	(\$1352.36)						
Visalia Hospitality (\$ 200)							
(\$ 230)							
7.70	(\$ 218.48)						
10 Tr (5, 100 tr)	(f. 120.27)						
	(\$ 129.27)						
(\$4330)	(\$2120.57)						
Total expenses (\$4330) Balance at start of Fiscal Year 94-95							
Activity credited to Fiscal Year 94-95							
Activity credited to Fiscal Year 95-96							
ND TOTAL:	\$5418.95						
	Plan \$3780 \$ 300 \$ 100 \$ 0 \$ 0 \$ 4180 (\$2600) (\$ 500) (\$ 650) (\$ 230) (\$ 230) (\$ 0) inquet) (\$ 150) ting)						

Re-Cap of Holiday Party

Last Meeting

When December comes, Tom and Bonnie Shiller are not far behind, 11 days actually, the Great Annual NCCC Xmas Party. More than 60 convivial members and guests were there this year for haute cuisine at the Stanford Park Hotel, and of course ,enter whatever new Christmas contest Mand M Claus, aka Tom and Bonnie, put us into. It was a corker. Last year we pinned California counties on a blank map. This year we worked in table teams to unscramble the letters of each county name. Like "Jumble" in the paper. The table at which Ed and Pub were seated got 'em all in short order and put in for winners, only to find the table headed by the Treas, beat us by a few secs! Not to worry, everybody gets a gift--and what gifts! You gotta be there to see what this Santa hands out. From Beers of astonishing label, to gournet veggie hot dogs. This Santa's elves are major leaguers to provide these, plus a fresh flower for each YL!

OAKLAND, CA 94606 2210 Livingston St. (510) 534-5757 (800) 854-6046 SUNNYVALE, CA 94086

SUNNYVALE, CA 94086 510 Lawrence Expwy. #102 (408) 736-9496 (800) 854-6046 - FLASH! NOW 12 STORE BUYING POWER! -



IC-2GXAT-HP



ICOM DAY

JANUARY 14

IN OAKLAND

Additional Special Discount on ICOM 737

At All Stores

IC-737A



A GREAT RIG AT AN INCREDIBLE PRICE ...

January 15 NCCC 44 Toyon Terrace Danville, CA 94526

FIRST CLASS



Your Full Membership Paid Through June 30, 1995 James A. Maxwell, W6CF PO Box 473 Redwood Estates, CA 95044

FIRST CLASS FIRST CLASS

1995 NCCC MEMBERSHIP ROSTER





N1EE Scott Lieberman 3200 Payne Avenue #714 San Jose, CA 95117 Home: 408 379-6185 scott@6.microbbs.us.com

W1FEA Jack B. Morgan 2040 Pheasant Hill Lane Auburn, CA 95602 Home: 916 878-1150

N2ALE Alan J. Ames 1672 Ardenwood Drive San Jose, CA 95129 Home: 408 257-1069 Work: 408 742-6859 N2ALE@thetech.com

WM2C Kenneth S. (Ken) Silverman 86 Grandview Place Walnut Creek, CA 94595 Home: 510 210-0410 Work: 510 279-6411 ken.silverman@atlas.ccmail.airtouch.com

K2MM John Zapisek 10559 Sterling Boulevard Cupertino, CA 95014 Home: 408 446-9377 Work: 408 736-3300 K2MM@MasPar.com

W2SQ Philip J. (Phil) Johnson 738 La Para Avenue Palo Alto, CA 94306 Home: 415 494-6104 Work: 408 553-2939 johnson@dtc.hp.com

N3AHA Stacey L. (Ace) Jansen 1234 Thornmill Way San Jose, CA 95121-2355 Home: 408 224-3017 Work: 408 752-3533

K3EST Robert G. (Bob) Cox 1816 Poplar Lane Davis, CA 95616 Home: 916 758-9062 cmschonewaldcox@ucdavis.edu

KI3V Richard P. (Rich) Hallman 11870 Heartpine Street Reno, NV 89506 Home: 702 677-2943 Work: 702 788-4569 KI3V@africa.connectus.com NP4IW/6 Carlos G. Nascimento 2061 Magnolia Way Walnut Creek, CA 94595 Home: 510 935-2768 Work: 501 601-2822 carlos@chiron.com

WN4KKN Trey Garlough 7375 Oak Ridge Road Aptos, CA 95003 Home: 408 462-2226 Work: 408 457-5200 trey@tgv.com

K4TKM Brook Byers 3636 Washington Street San Francisco, CA 94118 Home: 415 563-2430 Work: 415 233-3322 bbyers@kpcb.com

N4TQO Stephen (Steve) Merchant 3045 Jackson Street Apt. #202 San Francisco, CA 94115-1045 Home: 415 346-2424 Work: 415 856-4161 N4TQO@thetech.com

K4UVT Daniel R. (Bob) Dorsey, Jr. PO Box 231240 Montgomery, AL 36123-1240 Home: 205 213-0255 Work: 205 953-6696 CousinKimo@aol.com

AC6AH John M. Taylor 45 El Plazuela San Francisco, CA 94127 Home: 415 334-4550 Work: 415 826-7500 john-taylor@gicd@quickmail.ucsf.edu

KD6AKQ Marsha Kirshbaum 11110 Monan Street Oakland, CA 94605 Home: 510 562-1716 Work: 415 986-4200

K6ANP Leonard R. (Len) Geraldi 9705 Old Redwood Highway Penngrove, CA 94951-9609 Home: 707 794-9801

K6AUC John S. Larson 7070 Monte Verde Drive El Sobrante, CA 94803 Home: 415 223-3333 Work: 415 232-1462 WA6AUE James (Jim) Duffy

Box 8820

Truckee, CA 96162-8820

Home: 916 587-2730

W6BIP Wilbur (Bip) Bachman

880 Dartmouth Street

San Francisco, CA 94134-1828

Home: 415 239-7151

K6BPB Lewis W. (Lew) Dickerson

14251 Dapple Drive

Pine Grove, CA 95665

Home: 209 296-5796

K6BR John Naylor

11839 North Lake Drive

Boynton Beach, FL 33436

Home: 407 738-9738

W6BSY Charles E. (Mac) McHenry

1612 Via Escondido

San Lorenzo, CA 94580-2019

Home: 510 276-7273 Work:

N6BT Thomas H. (Tom) Schiller

1873 Granger Avenue

Los Altos, CA 94024

Home: 415 964-5554 Work: 408 720-9073

KD6BTJ Jennifer (Jenny) Robinson

1631 Via Ventana

San Lorenzo, CA 94580

Home: 510 278-5804

WA6BXH W. Sanford (Sandy) Lynch, Jr.

2415 SW Scholls Ferry Road

Portland, OR 97221

Home: 503 203-8521

slav@netcom.com

N6CCL Lawrence A. (Larry) Lemas

4647 Michelle Court

Union City, CA 94587

Home: 510 489-0416 Work: 510 464-6639

W6CF James A. (Jim) Maxwell

PO Box 473

Redwood Estates, CA 95044

Home: 408 353-2094 Work: 408 745-8434

jmaxwell@arasmith.com

KI6CG George E. Staudacher

11983 Hilltop Drive

Grass Valley, CA 95949

Home: 916 268-8681

WB6CJE Jim B. Rinkert

381 Webster Drive

Ben Lomond, CA 95005-9540

Home: 408 336-5955

WB6CJE@thetech.com

AG6D Al Elge

205-B California Avenue

San Martin, CA 95046

Home: 408 683-4996

AG6D@garlic.com

WW6D Douglas C. (Doug) Bender

3638 Hemlock Court

Santa Rosa, CA 95403

Home: 707 526-5131 Work: 707 577-3845

dougb@sr.hp.com

N6DA Don R. Amyx

32421 Jean Drive

Union City, CA 94587-5015

Home: 510 489-6643 Work: 510 791-4240

Prodigy WKXM87A

KJ6DL Dave Bullard

P.O. Box 691

Ripon, CA 95366

Home: 209 521-8281 Work: 209 825-3410

N6DOK Lloyd E. Hartshorn

5595 Truman Place

Fremont, CA 94538

Home: 510 490-5998 Work: 415 961-1473 x339

W6DPD Charles (Chuck) McConnell

1658 West Mesa Avenue

Fresno, CA 93711-1944

11csilo, CA 33/11-194

Home: 209 431-2038

AC6DQ Linda Harper

16325 Suncatcher Lane

Pioneer, CA 95666

Home: 209 295-4712

January, 1995

WB6DSV George S. Varvitsiotes

809 Highbridge Lane Danville, CA 94526 Home: 510 831-1771

W6DU Eric B. Edberg 461 Heather Court Los Altos, CA 94022 Home: 415 948-1748

AD6E Alan (Al) Maenchen 3330 Farthing Way San Jose, CA 95132 Home: 408 926-1549 AD6E@aol.com

N6EE Ronald W. (Ron) Lodewyck 1240 Forest Drive Turlock, CA 95380 Home: 209 667-2888 Work: 209 667-0850 ronl@koko.csustan.edu

W6EEN Donald (Don) Doughty 42-605 Byron Place Bermuda Dunes, CA 92201 Home: 619 345-8780 Work: 619 345-0016

N6EK Robert S. (Bob) Fabry 1175 Colusa Avenue Berkeley, CA 94707 Home: 510 527-7655 fabry@BASISinc.com

WD6EKR Walt Del Conte 328 Sequoia Street Salinas, CA 93906-3318 Home: 408 449-2380 Work: 408 724-5629 WD6EKR on DXPSN

AB6EQ Kenneth (Ken) Lewis P.O. Box 1241 Boulder Creek, CA 95006 Home: 408 338-3929

KI6EZ Alex Rabinovitch 136 Casitas Avenue San Francisco, CA 94127 Home: 415 334-2333 Work: 415 961-1473 WE6F Larry Sample 4000 Quimby Road San Jose, CA 95148 Home: 408 238-8273 Work: 408 435-3412

W6FAH Robert A. (Bob) Craft 8136 Grenoble Way Stockton, CA 95210 Home: 209 951-1600 Work: 510 535-6222

W6FSJ Wendell Peirce 2362 Nyla Drive Napa, CA 94558 Home: 707 253-2447

KG6GF Larry Souza 11000 Cienega Road Hollister, CA 95023

N6GG Richard J. (Rich) Lawton 14395 Bevers Way Pioneer, CA 95666 Home: 209 295-5093

N6GJ Gregory (Greg) Jenkins 16387 Aztec Ridge Los Gatos, CA 95032 Home: 408 354-1260 Work: 408 377-6347

W6GPM James R. (Jim) McWhorter 11799 Bloomington Way Dublin, CA 94568 Home: 510 833-1661

N6GRJ John Gleason 1850 Third Avenue Walnut Creek, CA 94596 Home: 510 938-8254 gleasonj@delphi.com

KE6GSQ Patricia M. Ames 1672 Ardenwood Drive San Jose, CA 95129 Home: 408 254-1069

K6GSS John Hultquist 188 Noe Street Kihei, HI 96753 Home: 808 879-1324

January, 1995

KS6H James W. (Jim) Danley PO Box 5900 Stockton, CA 95205

Home: 209 946-0228

WC6H Richard (Rich) Cutler 8629 Robin Lane Stockton, CA 95212

Home: 209 931-9264 Work: 209 472-3696

K6HIH Clifton T. (Cliff) Beck 7530 English Hills Road Vacaville, CA 95688 Home: 707 448-4633

K6HNZ Kenneth (Ken) Ruddock 1015 Martin Road Santa Cruz, CA 95060-9721 Home: 408 459-0504

KG6I John W. Farber 18490 Main Boulevard Los Gatos, CA 95030-8540

Home: 408 353-4777 Work: 415 949-7383

N6IFW Jerald L. (Jerry) Schnor PO Box 30154 Stockton, CA 95213 Home: 209 478-0423 Work: 209 944-6164

KA6ING Louese Bloom 2520 Heather Lane San Bruno, CA 94066-2643 Home: 415 583-5333

N6IP Robert P. (Bob) Wolbert 10028 Bon Vista Court San Jose, CA 95127 Home: 408 258-1015 Work: 408 435-3415 N6IP@thetech.com

N6IPE Donald F. (Don) Melcher 276 Marlow Drive Oakland, CA 94605 Home: 510 568-3878 Work: 510 437-2851

WB6IRC Brad A. Rulien 820 Castor Street Foster City, CA 94404 Home: 415 573-9353 Work: 415 591-6535 W6ISQ John G. (Jack) Troster 82 Belbrook Way Atherton, CA 94025-6406 Home: 415 854-3939

KM6IU Larry L. Moore 15 Rock Point Lane Los Altos, CA 94024 Home: 415 941-4966

KN6J Robert (Bob) Artigo 3127 Bodie Road Gardnerville, NV 89410 Home: 702 266-4003 Work: 702 266-4000

N6JL John Lawrence 12360 Indian Rock Way Los Gatos, CA 95030 Home: 408 867-2425 Work: 415 964-9300

W6JZU Dr. Robert C (Smitty) Smithwick 25215 La Loma Drive Los Altos Hills, CA 94022 Home: 415 948-3209

KN6K Keith Butts 409 Bundy Avenue #8 San Jose, CA 95117 Home: 408 248-3849 Work: 415 964-9900 X286

WA6KBL Jeffrey A. (Jeff) Pawlan 14908 Sandy Lane San Jose, CA 95124 Home: 408 371-0256

W6KH Richard (Dick) Le Massena 131 Old Adobe Road Los Gatos, CA 95030 Home: 408 379-2868 Work: 415 852-5912

KD6KKP Jenny Antasek 849 River Bluff Drive Oakdale, CA 95361 Home: 209 847-1069

K6KM William L. (Bill) Snider 3482 Sky Crest Oroville, CA 95965 Home: 916 533-3300 wsnider@mcimail.com

January, 1995

N6KT Richard (Rich) Smith 2991 East Joaquin Place Fresno, CA 93726

Home: 209 227-8586 Work: 209 227-0106

AA6KX Bruce Sawyer 15430 Bohlman Road Saratoga, CA 95070 Home: 408 741-0518 ZF8BS@twg.com

W6KZJ Laurence A. (Larry) Daily 2001 Alden Street Belmont, CA 94002 Home: 415 593-7491

NB6L Donald (Don) Artru 2225 Sunset Road Brentwood, CA 94513 Home: 510 634-8041 Work: 510 484-4800

AA6LB Carl Severa 6545 Fountain La. N. Highlands, CA 95660 Home: 916 332-5001 Work: 510 236-3700

KJ6LD William H. (Henry) Stewart 6672 Elwood Road San Jose, CA 95120 Home: 408 268-3716 Work: 510 623-6091 CompuServe 76616,2262

K6LRN Richard C. (Dick) Wilson P.O. Box 1582 Clovis, CA 93613

KB6LYO Leslie J. (Jay) Selwitz 144 Overhill Road Orinda, CA 94563 Home: 510 254-3872 Work: 415 622-9405 selwitz@netcom.com

WX6M Richard A. (Rich) Hudgins P.O. Box 159 Vacaville, CA 95696-0159 Home: 707 448-9379 Work: 510 242-1742

K6MA Stan Kuhl 1149 Heatherstone Way Sunnyvale, CA 94087 Home: 408 736-8358 AA6MC Richard (Dick) Dievendorff 1211 Janis Way San Jose, CA 95125-4050 Home: 408 978-9234 Work: 408 927-1913 dieven@almaden.ibm.com

N6MG Vernon (Vern) Buerg 456 Lakeshire Drive Daly City, CA 94015 Home: 415 992-2733 Work: 415 991-0644

K6MO Stanley (Stan) Andrews 2432 Melendy Drive San Carlos, CA 94070 Home: 415 591-1086

AA6MV Lawrence H. (Larry) Selman 156 Bradley Drive Santa Cruz, CA 95060 Home: 408 429-8171 Work: 408 427-1177 larry@armory.com

KD6MYG Christina (Tina) Robinson 6748 Cumberland Place Stockton, CA 95219 Home: 209 447-5289

WB6MZQ Stephen (Steve) Demetrescu 39 Ardilla Road Orinda, CA 94563 Home: 415 254-3350

WI6N John T. (Tom) Ebert 5121 Alhambra Valley Road Martinez, CA 94553 Home: 510 229-1264 Work: 408 943-2642 tom1radio@aol.com

KC6NFE Marguerite (Maggi) Troster 82 Belbrook Way Atherton, CA 94025-6406 Home: 415 854-3939

W6NLG Gordon Girton PO Box 60031 Sunnyvale, CA 94088-0031 Home: 408 253-4455 Work: 408 697-5000 CompuServe 71533,3333

January, 1995

KD6NOS Miguela (Gilly) Lewis P.O. Box 1241 Boulder Creek, CA 95006 Home: 408 338-3929

W6NV Oliver (Oli) Sweningsen POB 193965, Job 22083—Cairo San Francisco, CA 94119-3965

NV60 Eric Woods 121 Prospector Court Folsom, CA 95630

Home: 916-988-1197 Work: 916 972-2254

W6OAT Charles (Rusty) Epps 651 Handley Trail Redwood City, CA 94062 Home: 415 365-5918 epps@netcom.com

KM6OH Kim Robinson 1631 Via Ventana San Lorenzo, CA 94580

Home: 510 278-5804 Work: 510 278-9424

N6OJ Chuck A. Ternes 535 Cherry Street Petaluma, CA 94952 Home: 707 763-2528

N6OM John G. Gibson 808 Kilbirnie Court Sunnyvale, CA 94087 Home: 408 245-3369

W6OSP Bruce W. Butler 4220 Chardonnay Court Napa, CA 94558

Home: 707 255-5424 Work: 800 248-7524

N6OXR Robert L. (Bob) Summers 35825 Augustine Place Fremont, CA 94536 Home: 510 790-3274 Work: 510 797-4343

JA1MZM/KI6P Sakae Muto 2-6-3 Otowa, Bunkyo

Tokyo, 112 Japan Home: 0423 96 4698 NW6P Thomas J. (Tom) McShane 22342 Bahl Street Cupertino, CA 95014 Home: 408 738-0471 Work: 408 996-8766

AA6PG David A. (Dave) Stamm 211 Brook Road Auburn, CA 95603 Home: 916 885-8875 Work: 408 428-2010 dave@clarify.com

W6PHF David Palmer 638 Benvenue Avenue Los Altos, CA 94024 Home: 415 948-9527

KJ6PJ Larry A. Springer 20305 Northglen Square Cupertino, CA 95014 Home: 408 446-5773 Work: 415 354-5793 larry@arasmith.com

K6PJY Dan Ramsey 2726 Roosevelt Lane Antioch, CA 94509 Home 510 757-8148

N6PN Matthew A. (Matt) Futterman 3949 Cottonwood Drive Concord, CA 94519-1245 Home: 510 687-9296 Work: 510 642-6585 maf@alfa.berkeley.edu

K6PU Kenneth (Ken) Anderson Box 934 Los Gatos, CA 95031 Home: 408 353-4466 Work: 415 852-7179 anderson.ken@ssvax1.ssd.loral.com

W6PYX Jim L Venneman 160 Broadview Avenue Auburn, CA 95603 Home: 916 885-1677 Work: 916 322-9887

N6QC John W. (JW) Reimer 1528 Colwood Drive Petaluma, CA 94954-3714 Home: 707 763-9715 Work: 707 527-5555 W6QHS David B. (Dave) Leeson 15300 Soda Springs Road Los Gatos, CA 95030 Home: 408 353-1927 Work: 408 720-6215 leeson@mcimail.com

KK6QM Barbara S. (Barb) Leeson 15300 Soda Springs Road Los Gatos, CA 95030 Home: 408 353-1927 leeson@mcimail.com

AB6QP Ronald F. (Ron) Stempek 5 San Blas Court Novato, CA 94945-1208 Home: 415 898-1720 Work: 415 479-2920

KN6QT Robert H. (Bob) Burton 418 Vineyard Place Pleasanton, CA 94566 Home: 510 462-0753

AA6QY Herschel (Hersh) Stansch 1917 Dandini Circle San Jose, CA 95128-3615 Home: 408 295-4492 Work: 408 295-4492 AA6QY@aol.com

WR6R Albert (Al) Crespo 111 Scenic Drive Orinda, CA 94563 Home: 415 254-3233 Work: 415 553-9303 WR6R@netcom.com

N6RA Thomas A. (Tom) Gallagher 225 Topaz Way San Francisco, CA 94131 Home: 415 285-7895 Work: 415 989-8080

N6RC Richard M. (Dick) Crouch 15668 Bohlman Road Saratoga, CA 95070 Home: 408 741 1983 Work: 408 370-2287 dcrouch@catsolutions.com

W6REC Duane Ausherman 13827 Sargent Road Galt, CA 95632 Home: 209 745-3935 W6RGG Robert B. (Bob) Vallio 18655 Sheffield Road Castro Valley, CA 94546-2707 Home: 510 537-6704

W6RJ Robert (Bob) Ferrero 241 Santiago Lane Danville, CA 94526 Home: 510 831-1771

K6RK Charles P. (Chuck) Patterson 3101 Withers Avenue Lafayette, CA 94549 Home: 510 934-3419 Work: 209 754-5688

N6RO Kenneth (Ken) Keeler 5480 Sellers Avenue Oakley, CA 94561 Home: 510 625-2707 Work: 510 625-9402

AF6S David M. (Dave) Barton 14842 Nelson Way San Jose, CA 95124 Home: 408 377-1707 AF6S@aol.com

KV6S James (Jim) Moyer 6381 Wisteria Way San Jose, CA 95129 Home: 408 255-2266 Work: 408 435-3444

NF6S Charles (Larry) Word 2184 Bluebell Drive Livermore, CA 94550

NU6S Tim Coad 10292 Judy Avenue Cupertino, CA 95014 Home: 408 996-1572 Work: 408 743-4299 x4088 tim.coad@smtp.esl.com

WA6SDM M. James (Jim) Hollenback 2021 Stonewood Lane San Jose, CA 95132 Home: 408 946-4522 Work: 408 447-0725 jholly@cup.hp.com

KN6SO Marc D. Willis 6482 Garner Place Valley Springs, CA 95252 Home: 209 772-9265 Work: 408 433-6666 willis@lsil.com N6ST Steven N. (Steve) Thomas 13707 Skyline Boulevard Los Gatos, CA 95030-9514 Home: 408 741-1203 Work: 408 553-6841 stevet@hpsit.sc.hp.com

W6SUN George W. McCarthy P. O. Box 242 Pilot Hill, CA 95664 Home: 916 823-5537

W6SYL Paul R. Letsinger 23 Vine Street San Carlos, CA 94070 Home: 415 591-1913

W6SZN G. Kip Edwards 3144 Brittan Avenue San Carlos, CA 94070 Home: 415 598-9468 Work: 415 773-5444

AA6T Lloyd Cabral POB 970 Aptos, CA 95003 Home: Work: AA6T@delphi.com

AJ6T Walter E. (Walt) Miller 15201 Sobey Road Saratoga, CA 95070 Home: 408 354-5828 Work: 415 604-6487 AJ6T@thetech.com

NA6T Robert O. (Bob) Smith 320 Park Street Fort Bragg, CA 95437 Home: 707 964-4931 Work: 707 964-5915

NH6T Reginald (Reg) Olson 5964 Alhambra Way #1 Gold Canyon, AZ 85219 Home: 808 243-9510 Work: 808 326-8285

NI6T Garry R. Shapiro 20941 Nez Perce Trail Los Gatos, CA 95030 Home: 408 353-1118 Work: 408 353-1118 NI6T@mcimail.com AA6TD Melissa Thomas P.O. Box 748 Los Altos, CA 94023-0748 Home: 408 741-1203

N6TIB William T. (Bill) Philpott P.O. Box 334 Pine Grove, CA 95665 Home: 209 295-3732 Work: 209 986-3732

N6TJ James B. (Jim) Neiger P.O. Box 4355 Orange, CA 92613 Home: 714 281-3209 Work: 310 649-3477

WA6TKV Ray Antasek 849 River Bluff Drive Oakdale, CA 95361 Home: 209 847-1069 Work: 209 847-1070

K6TMB Louis J. (Lou) Beaudet 1395 Morton Avenue Los Altos, CA 94024 Home: 415 969-3017 Work. 408 235-2307 lbeaudet@lfs.loral.com

N6TNW Shirley J. Zuttermeister 10519 Thompson Way Valley Springs, CA 95252 Home: 209 786-2231

N6TNX Charles R. (Dick) Zuttermeister 10519 Thompson Way Valley Springs, CA 95252 Home: 209 786-2231

N6TU Bruce P. Swearingen 1009 Riverside Drive San Jose, CA 95125 Home: 408 295-3583 Work: 408 737-2000

N6TV Robert A. (Bob) Wilson 51 Cheltenham Way San Jose, CA 95139-1257 Home: 408 629-9480 Work: 408 927-1731 N6TV@vnet.ibm.com AE6U Scott T. (Scotty) Williams
U.S. Embassy Rabat - VOA, PSC 74 Box 25
APO, AE 09718-5000
Home: Work: 011-212-993-5905
scott_williams_at_posttangier
@ccmail.beng.voa.gov

KD6UO Roger A. Strauch 151 Hazel Lane Piedmont, CA 94611 Home: 510 658-2553 Work: 510 649-3832 strauch@tcs.com

WB6UTY Barry Bettman 421 Casa Del Mar Drive Half Moon Bay, CA 94019 415 726-1205 barryb@filenet.com

N6UUG William H. (Bill) McCauley 511 Chyrl Way Suisun City, CA 94585 Home: 707 425-7647 Work: 510 843-2000

AI6V Carl Cook 1724 Via Del Verdes Concord, CA 94521 Home: 510 685-9370 Work: 510 685-9357

AJ6V Edward J. (Ed) Radlo 25811 Estacada Drive Los Altos Hills, CA 94022 Home: 415 941-6515 Work: 415 858-7142 ejr@fwpa.com

AA6VB Robert (Bob) Chortek 2342 Price Way San Jose, CA 95124 Home: 408 371-1491 Work: 408 286-5800

WA6VEF Gary Caldwell Box 8014-56 Blaine, WA 98230 Home: 604 944-1232 Work: 604 420-6543

KF6VU James F. (Jim) Boyer 2357 8th Street Livermore, CA 94550 Home: 510 447-9273 Work: 510 423-6551 boyer2@llnl.gov KB6VVX Susan M. Taylor 1175 Colusa Avenue` Berkeley, CA 94707 Home: 510 527-7655

KA6W Theodore P. (Ted) Algren 12324 Skyline Boulevard Los Gatos, CA 95030 Home: 408 867-6226 Work: 415 948-6533

W6WB Clayton F. (Bud) Bane 155 Saint Elmo Way San Francisco, CA 94127 Home: 415 584-7923

KI6WF David (Dave) Pugatch 738 Wildcat Canyon Road Berkeley, CA 94708 Home: 510 527-1043 Work: 510 524-7469

N6WFK Eric N. Aubery 308 Sequoia Avenue Redwood City, CA 94061 Home: 415 367-9848 Work: 415 323-3111

K6WJ Mark Montrose 2353 Mission Glen Drive Santa Clara, CA 95051-1214 Home: 408 247-5715

KD6WKX Daniel A. (Dan) Ford 52 Chester Street Los Gatos, CA 95030-5461 Home: 408 395-8030 Work: 408 927-2203 daford@almaden.ibm.com

AB6WM Peter Jennings P.O. Box 336 Ben Lomond, CA 95005 Home: 408 336-5338 Work: 408 336-3503

K6WR Bradley W. (Brad) Wyatt 18400 Overlook Road, No. 5 Los Gatos, CA 95030-5850 Home: 408 354-5124 Work: 408 395-2501 bwyatt@arrl.org

K6XC Ronald P. (Ron) Luttringer 1110 Via Media Lafayette, CA 94549 Home: 510 283-7872 Work: 510 283-9421

N6XI Richard (Rick) Tavan 20297 Hickory Hill Way Saratoga, CA 95070

Home: 408 867-5797 Work: 415 325-1025

tavan@tss.com

W6XR Natan Huffman 27 Hungerford Road Ithaca, NY 14850 607 273-2392 force12@ibm.net

K6XV Robert D. (Bob) Frizzell 1194 Blanc Court

Pleasanton, CA 94566

Home: 510 462-2307 Work: 408 735-3919

W6XX James C. (Pete) Gaddie

355 Solana Drive

Los Altos, CA 94022-2331

Home: 415 941-3354 Work: 415 859-3945

AE6Y Andrew (Andy) Faber

16321 Ridgecrest Avenue

Monte Sereno, CA 95030

Home: 408 395-9193 Work: 408 286-5800

AE6Y@aol.com

W6YKM Frederic K. (Fred) Honnold

17890 Sharon Court Pine Grove, CA 95665

Home: 209 296-4994 Work: 916 622-3653

AB6YL George Daughters

1560 Klamath Drive

Sunnyvale, CA 94087

Home: 408 732-2676 Work: 415 326-8120

G.DAUGHT@forsythe.stanford.edu

WB6YRN Les L. Valdez

1724 Newburgh Court

Fairfield, CA 94533

Home: 707 425-2069 Work:

K6YT Fred F. Canham

691 Casita Way

Los Altos, CA 94022

Home: 415 948-9238

AA6YX David A. (Dave) New

96 Bloomfield Road

Sebastopol, CA 95472 Home: 707 829-6608 Work: 707 525-7357

WZ6Z Howard Brainen

11110 Monan Street

Oakland, CA 94605

Home: 510 562-1716 Work: 510 527-6900

CompuServe 75156,2106

N6ZB Bobby R. (Bob) Dunn

2623 Bon Bon Drive

San Jose, CA 95148-2007

Home: 408 238-3219

Prodigy VNVT34A also DUNNBR@aol.com

N6ZJM Elaine L. Rinkert

381 Webster Drive

Ben Lomond, CA 95005-9540

Home: 408 336-5955 Work: 408 748-4985

WB6CJE@thetech.com

N6ZPX Krishnan Yegnashankaran

777-40 San Antonio Road

Palo Alto, CA 94303

Home: 415 493-1963 Work: 415 506-2555

kvegnash@netcom.com

N7NG Wayne Mills

Box 1945, Jackson, WY 83001

Home: 307 733-2670 Work: 307 733-3033

WA7NIN Patrick (Pat) Bacon

Box 3037, Carson City, NV 89702

Home: 702 883-9250 Work: 702 882-3916

N7STU Robert Brown

19539 Dover Drive

Hilmar, CA 94523

N7STU@thetech.com

K7YNO Terry W. Smith

335 Alicia Way

Los Altos, CA 94022

Home: 415 941-5689 Work: 415 941-5689

twsmith@netcom.com

WA8LLY Steve Lund 10180 Mill Station Road Sebastopol, CA 95472-9655 Home: 707 823-4544 Work: 707 577-4456 stevel@sr.hp.com

N0BBS Cecelia L. (Celia) Fabos-Becker 3273-B Rocky Water Lane San Jose, CA 95148 Home: 408 223-6102

AE0M Anthony J. (Tony) Becker 3273-B Rocky Water Lane San Jose, CA 95148 Home: 408 223-6102 Work: 408 748-1984 becker@shell.portal.com

NG0X David B. (Dave) Curtis 805 Kingfisher Terrace Sunnyvale, CA 94087 Home: 408 733-8973 Work: 408 765-5228 dcurtis@mipos2.intel.com

W0YK J. Edward (Ed) Muns P.O. Box 1877 Los Gatos, CA 95031-1877 Home: 408 353-1853 Work: 415 857-7400 ed_muns@hp0000.desk.hp.com

WA0YQM Lawrence J. (Larry) Eker Jr. 33066 Marsh Hawk Road Union City, CA 94587 Home: 510 489-3074 larryeker@delphi.com

W0ZZ/7 John D. Zicarelli 4335 E. Beryl Lane Phoenix, AZ 85028 Home: 602 494-3026 Work: 602 948-0505 x2090

T94EC Enes Ceric 1005 Larkin Street #9 San Francisco, CA 94109 Home: 415 921-3755 Work: 408 522-0350 x0359

VE7NKI Niki Bloom 3608 St. Thomas Street Port Coquitlam, BC V3B 2Y8 Canada Home: 604 944-1232 Work: 604 432-4388