



# The Contest JUG

Newsletter of the

**Northern California Contest Club**

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## COMING ATTRACTIONS

(Contest dates are UTC. See *QST*, *CQ* or *73* for details, or try *SH/CONTEST* on DX packet.)

Jan. 12-13	North American QSO Party, CW, sponsored by <i>National Contest Journal</i> . See Dec. <i>QST</i> , p.88.
Jan. 18	NCCC dinner meeting, Wagon Wheel, Mountain View*
Jan. 19-20	HA-DX Contest. See Jan. <i>QST</i> , p.81

Jan. 19-20	North American QSO Party, phone, sponsored by <i>National Contest Journal</i> . See Dec. <i>QST</i> , p.88.
Jan. 25-27	CQ WW 160m DX Contest, CW. See Jan. <i>QST</i> , p.81
Jan. 26- Feb. 3	ARRL Novice Roundup. See Jan. <i>QST</i> , p.81*
Feb. 2-3	Ten-Ten Winter Phone QSO Party. See Jan. <i>QST</i> , p.81
Feb. 3	North American Sprint, CW. See Jan. <i>QST</i> , p.81
Feb. 9-10	PACC Contest. See Jan. <i>QST</i> , p.82
Feb. 10	North American Sprint, phone. See Jan. <i>QST</i> , p.82
Feb. 16-17	ARRL International DX Contest, CW. See Jan. <i>QST</i> , p.82
Feb. 22-24	CQ WW 160m DX Contest, phone. See Jan. <i>QST</i> , p.81

\* See news item for details.

**ROBERT G. FERRERO, W6RJ, ACCEPTS NCCC APPOINTMENT AS CHIEF REFEREE FOR FIRST ANNUAL F & F JOUSTING TOURNAMENT AT VISALIA . . . BEGINS VIGOROUS TRAINING . . . K6PU NAMED ALTERNATE, ALSO GOES INTO TRAINING**

Details inside

## CHRISTMAS PARTY TIME

—Jack Troster

Sixty three of Tom Terrific N6BeeTee's greatest fans showed up for the annual Christmas party to welcome the venerable Master Contester once again to his fourteenth annual Christmas M.C. chores. This was really a great affair at the Velvet Turtle in Burlingame, and we wish you all could have been present to witness the Master's touch.

The NCCC Christmas Party must surely be the best radio club party in the SFO area . . . or California . . . or west of the Mississippi. What the heck . . . in the whole world. Details comin' up.

### BUT FIRST . . .

First we must tell you of some other matters. The bash brought out some very welcome phantom figures we don't see too often. There were OLLIE, W6NV, and WB6SHD, all the way from Sandy Cruz, and BROOK, K4TKM, down from SFO, and Big John, K6AUC, in from his mountain top in El Sobrante. Glad you all could be aboard. We know you had a great time.

Also, we had some honored guests from the Nor Cal DX Club led by RON, NG6X and XYL NANCY, President of the NCDXF, and Bruno, AA4AD, and XYL MARGIE, and W6DU, himself, in person.

One couple who had reservations but had to cancel from the fray were DAVE, W6QHS, and XYL BARBARA, KK6QM, who called in during the afternoon to say they were ice-bound atop their mountain! They had started down, but the car had slud off the road, so they decided not to try to negotiate the other 13,000 foot descent. We missed their bright eyes and sweet smiles.

Festivities began halfway through the salad. OLD LOU, K6TMB, was requested to approach the podium. Took him a long time to get up there because he kept trying to kneel all the way up. He was summoned to receive his one DUB (Delicious Undercooked Brownie) as annual tribute from my borrowing his great D-104 mike for the last five years. I was going to return the D-104 to him, but XYL MAGGI, KC6NFE, has taken a real fancy to it. So, we paid Lou another DUB tribute for annual lease for her, too. You are a delight to do business with, Lou.

The next DUB award was the "Honest Man" award presented to BOB, K3EST. Bob's Honest Activity came during the 10-Meter Contest. Seems as though MAGGI, KC6NFE, called Bob four times

before Bob got the correct call. Anyone who will hang in there listening for four calls has got to be a winner! Thanks, Bob. Anyway, dear reader, when was the last time you gave or received anything less than a 59 or a 599 in a contest? You can't remember? I mean a 59 is good all the way down to an honest 2 x 2! Right? Of course. But Bob gave NFE a 5 x 7, which means an honest 1 x 1 . . . a good honest report, considering it took him four times to ferret out the call. Congrats, Honest Bob. Did you give out any other 5 x 7s? We hope there were no walnut shells in your DUB.

Remember in the last *Jug* I mentioned I heard a very slow 10 wpm CW signal sending "m-i-l-l-i-y-u-n" on the top of a station I was calling but not working. I thought it was hilarious and offered a DUB to the person who would admit to that unauthorized transmission. And we had a winner!! You'll never guess who it was. Oh well, guess anyway. Those who were present at the Party now know. The rest of you will find the answer elsewhere in this document. Read carefully.

Of course, we awarded a DUB to BOB, W6RGG, for his warm telephone greetings left on our recorder. Also see TrosteRoster.

And a DUB each to PAT, AK6T, and PATTI, N6BIS. Without their help we would never get our disc to Pat in time for the *Jug* to be published. MAGGI, NFE, is the family Macintosh Plus expert. She turns on the machine and pushes all the right buttons to finally get me a blank screen to type on. When I finish she makes me a print and cuts the disc (or whatever you do to a disc) I send to Pat. Sometimes things go wrong . . . very wrong. The computer just doesn't work right. So, Maggi is now trained to call Pat or Patti immediately. They are kind, and are also experts and have always been able to get us out of our computer box. Pat is even writing a book on computers. So, Maggi and I wanted to publicly recognize and thank our computer mentors who help us print out this stuff each month. Thanks, Pat and Patti.

DUBs were distributed to all those confessing to have read the *JUG* all the way through. Wonder how many consciences were burning after the party? Naw. They read it. And before the evening was out, everybody had qualified for a DUB.

### AND NOW THE SHOW . . .

Tom Terrific's show was terrific! His routine was to pick out a table, then ask the folks at that table to answer a simple question, such as "What was the patent number of the first wireless patent ever

granted?" You all know that, don't you? If—rather, when—anyone at the table got the answer within 10 years or 20 feet, or whatever, with many absolutely necessary hints and prods from Tom, the folks at that table finally were awarded their prizes.

Tom's prizes this year were from an exclusive Safeway store in Tom's neighborhood and were marked to be "large" or "small", "red" or "green" or "white", etc., etc. So, the person chose his prize as "small green" or "large red". Of course, Tom selects which item it is that is "large red". He/schmee may get a bottle of coke or a bottle of pickled mushrooms, or a bottle of maraschino cherries, etc. I selected "small green" and got a bag of kiwi fruit. Delish.

I started to keep a list of who got what, but there were some 75 prizes. So, I lost track. But everyone got a prize. Three of the prizes were contributed by our old "Slim" friend, Hugh Cassidy, WA6AUD, who sent three jugs of delicious honey built by his busy San Rafael Italian bees. The honey brand was named for one of the characters that popped up periodically in Cass's West Coast DX Bulletin. The name of the honey was "Louis aux Yeux Rouges"!

The annual "meat and potatoes" trophy went to our neat meat and potato kinda guy, young ALEX, KI6EZ. Ten pounds of spuds!

In his turn, and with the grateful thanks of all present, I presented Tom Terrific with a bottle of homemade wine I had won at a VHF conference for identifying the prefix "9H" as belonging to Malta! I passed on the bottle (made in glorious Grass Valley) to Tom. Now, Tom may chose to drink it, or he may preserve it and pass it along to someone next year. You will have to attend the party next year to find out! We may even re-name this magazine "The Bottle".

It was a glorious evening, Tom. Huzzahhh . . . hooooray . . . for he's a jolly good fella!! We thank you and alert you to start thinking about next year's questions right now!

P.S. Tom's tough and interesting questions are printed later herein. You out there must realize that these are the kinds of questions and subject matter discussed all the time at our regular NCCC meetings and our two meter net. We are quite serious in NCCC.

## TROSTEROSTER

Right at the top of the Roster this month is BOB, W6RGG. You remember I told you last time that Bob left a message on our telephone recorder that we liked so much we didn't erase for ten days. Well, Bob did it again. The evening after the party, we returned home to hear once more those same beautiful, bass tones on our recorder: "Hi Rita, Hi Jack. Hope you have a nice vacation. Baaaaahh." What a soothing, melodious voice. We've left it there. Tnx, Bob.

HOWARD, WZ6Z, will be working assiduously, and also persistently, to develop a new front page lead heading for the *Jug*. There is a name for that thing but I cannot think of it. You know . . . the top heading of the front page. (Masthead is the term—Ed.) Howard says he has spotted something of interest. Never can tell what Howard will do next because he was the jokester who sent "milli-yun" to me during the CQWW CW. Should the headline show a *Jug*, or a "KB" cartoon, or what? Give Howard your thoughts. Maybe we could have a color headline.

It was award time at the Christmas party. Our own NCCC Treasurer, AL, AD6E, finally amassed his Five Million plus contest contact points and was awarded the "5 Million Point Award". Congrats, Al. I'm jealous.

Congratulations to ALL PRESENT at the Xmas party. You were ALL SELECTED by W6CF's Secret Committee to receive a DUB for being jolly good members. I do hope you all got your DUB. Next meeting, the regular DUB rules will apply and you will have to do or say something noteworthy to receive one! Work hard.

I made the Roster again myself this year. I blew it. For some reason, I did not realize that any points I may have picked up at the UN operation during CQWW FONE could not be counted for the NCCC Five Meg award! Thus, alas, I still have something under a milli-yun to go. I had hoped to have that 5 megs under my belt and never have to get in another contest. But I will probably have to work ARRL, both modes, WPX, WAE and a few more to finally top 5 megs. I don't score big.

## ABOUT NCCC ROOTS

I been a thinkin' about NCCC. Always dangerous. Here's some of wat I been thinkin'. I want you to think about it too. Be prepared to offer sug-

gestions. That's all. We are not asking you to do anything but think and talk . . . yet.

## HOW WAS NCCC FORMED?

I been a wonderin' about where NCCC came from. Let us get it down on paper. New members would like to know. I remember a boisterous DX Club meeting of yore with lots of stompin' and hollerin' and, next thing anybody knew, voilà, a new contest club was borned. Then it seemed to me that most all the DX club members also joined the NCCC.

It would be nice if someone in the know would write this up. I am thinking of Jim, N6TJ, who was the obstritishun in charge of launching the NCCC. Will try to get his QSL manager, W6CF, to ask him to do this while he is still at ZD8Z. Then it would be good to have other early-timers to review the paper and add their recollections. Would be nice to print this in the *Jug* for all to enjoy. And who were the charter "Young Turks"?

## WHO WERE THE PAST NCCC OFFICERS?

Try to think back. Who were President, Veep, Secretary and Treasurer when you joined the NCCC. Or have you been you president or other officer? Remember that year? Next meeting, if I can remember, I will pass around a paper and let you all write down the officers and their dates. Please search your memory. And I'll bet a lot of you still have most of the back issues of the *Jug* if we need to look things up. The W6CF International Library of All Known and Unknown Information is a last resort. Remind me to pass the paper.

## THE JUG

I asked a few fellas at the Christmas Party what was the origin of the name *Jug*. I got several answers all about the same, plus or minus a little embellishment. If you think you know how the *Jug* got its name, please communicate. Better yet, take a few minutes and write it up. Thanks.

Let's get our whole act together.

## ARE YOU HAPPY?

NCCC has been in operation 18 years or so, plus or minus the recollections of some of the Young Turks. Are there any short- or long-term objectives we should be looking at? All I know is that we have always concentrated on scoring well as a club

in contests. Should we just concentrate on great scores or is there something else we might do as a club? What about helping other members upgrade their stations, etc. What are other contest clubs doing? If big contest club scores are our principal target, what can we do to improve those scores?

## MEMBERSHIP CERTIFICATE

I am not one for chasing all certificates, although I admit to chasing some of them because they are tough or fun, i.e., County Hunters, WPX, Oblasts, DOKs. These are certificates one has to work hard to earn. Even our own California Counties Award is tough unless you are a County Hunter.

But some certificates go with the territory—like membership certificates. Most organizations have a membership certificate of sorts. I generally file mine in a pile I have specially created for such items. It is not that I do not like and appreciate them and am not proud of the organization I just joined. I know they are there; I just don't have too much room. But if a neat one comes along, I can always make room.

## THE CERTIFICATE

How come NCCC does not have a membership certificate? Or do we have one and I never heard about it? Maybe NCCC does not have a certificate because of reasons above! But suppose we had a unique one. Something you might expect from NCCC—that is, why be like all the rest?

Yes, we ARE the NCCC. I would think with all the computer brains and brawn we have in this club we could find some young fella to program a really neat membership certif. Maybe in color. Sure we could. If Bob, N6EK, can print our individual prize wine labels on the computer, why not a simple membership certif? Don't need a scroll border—everybody has one.

Why print it on paper? Must be sumpin else. Who needs another rectangular certif? Why not a triangle or a circle or 3 inches wide and two feet long. I dunno. Not too many words. Maybe in the shape of a mobile?

Think of something. I dare ya. But it should be computer generated, which seems altogether proper and compatible with the computer usage in contesting. So no expense, etc.

## WHO GETS ONE?

Do not actually award the NCCC membership certificate until the member has contributed say a "milli-yun" points total in CQWW and/or ARRL and/or Sweepstakes, etc. Yes, of course, a person could join the club, under the present criteria for membership, as a person having an "interest in contests." Or something like that. No big deal.

You join the club as a full member in good standing. You can participate in contests in a gigantic style or a minimal style. But when you finally total a million points for the club, you are given the coveted membership certificate in the world-famous NCCC. Like you go to college for four years and when you graduate they give you a certificate. Same thing. Right? You do something to get the certif.

One milli-yun points is enough. We are not running a PhD program. It took me four years to get about 1.75 milli-yun points total, so I have compassion for everybody.

What do all you munchkins out there think of that one? Please say something to your Board of Directors at the next meeting. Son of a Gun, should we have some fun, away down in the bayou?

## RECRUITING PROBLEM.

One more NCCC problem. I hate to tax you with all this stuff, but it is 1991 now and time to think ahead.

I have been doing a little recruiting of potential members, both new and a few former members who might like to rejoin. The reason most often given to me for someone's not wishing to join or rejoin is that the person does not wish to be cajoled or harassed constantly to produce big scores in contests.

Yes, this is a contest club. Why not prod people to go greater? Well, for one thing some folks like only CQWW or WPX and will go into those contests only. Others may like only ARRL or WAE, so will only go into those contests. Any member should be able to go into any contest he or she wishes to.

We cannot legislate what individual members must do. What percentage of the membership goes into the CQWW, one of the most popular of all contests? Some go into the phone contest and not the CW. Maybe we should be grateful our members go into any part of any contest. For most folks, a reminder that a particular contest is coming up is probably about all that is needed.

How hard an operator works at a particular contest may not really develop until after the contest starts. Some contests I have sworn I would stay up all night for, and then before 80 opens up the first night, my enthusiasm dwindles and goes down hill. Or, in other contests I have warmed up in a big way, and where originally I had intended to play around for a couple of hours I've wound up working very hard through the second day. Nobody cajoled me one way or the other. I just liked it.

Perhaps we have been too aggressive. In our phone calls before a contest we should keep in mind that the other fellow really may not be available or interested in that particular contest. Maybe we should say, "Why not join us in this contest for a while at your own speed or level of interest. Maybe you will find you like this contest and get more deeply involved after you work an hour or two. Try it. You might like it."

This would allow a recruit, or a person just re-joined, to find his or her own level of involvement and interest and go with that and be happy; that is, let each person compete right up to their own toleration level. As he gets his feet wet, just maybe he will come to enjoy some of those long hours some of us put in in our own particular favorite contest—with pleasure.

In time, recruits or re-joiners would get to know that the NCCC's major selection for a major push this year will be SS or WPX or whatever. The new folks will get the message and participate or not. Their choice. They know what the club is trying to do and will enter if this fits their tolerance level.

## IN SUMMARY

In talking to folks who might like to join or rejoin NCCC, we should emphasize there is nothing in our bylaws that says they must enter a particular contest or score highly. It is up to them; and we hope, by example, to create a little enthusiasm for the contest we are promoting that year for the full club effort. If they do not wish to participate, fine. Maybe the next one. What you think?

## MR. FERRERO, W6RJ, ACCEPTS APPOINTMENT

It has been announced that Mr. Robert G. Ferrero, W6RJ, long-time member of NCCC, graciously accepted appointment to be Chief F & F Jousting Tournament Referee at Visalia in April. "I am pleased to accept NCCC's appointment," he said,

"and I look forward to the intense competition of the tournament."

As if to emphasize his serious commitment to the tourney, Mr. Ferrero announced he would immediately commence a regimen of physical training. He reports he will trot up and down his mountain and go 100 strokes on his rowing machine daily before breakfast. Mr. Ferrero told the *Jug*, "I am getting in top condition because I know I will have to be in top shape to vigorously enforce all rules of the joust. I know what I have to do, and I am going out and do it!" You'd better believe it, Buster.

Mr. Ken Anderson, K6PU, was named alternate Chief Referee as backup to the rugged Mr. Ferrero, just in case. When Mr. Anderson learned the nature of the joust, he too announced his immediate turn to vigorous physical one-upmanship. He told the *Jug*, "I know what I have to do, and I'm going out and do it." That's what he said, folks.

More on the joust and the Refs next month.

## ARE WE THROUGH WITH 'MILLI-YUN'?

I thought the fun-drive for everybody to make a "milli-yun" would be about over, now that CQ WW has passed. I said that before, because I thought ARRL was tougher to make a big score in total cw/fone. And at the moment I am too tired to get up and go across the room and dig out some old copies of *QST* to see what old ARRL scores actually were than it was in CQ WW.

On second thought, maybe we should keep the "milli-yun" as a good goal for all of us in any contest, combined cw/fone. I think combined scores in some of the other big contests might also total a "milli", i.e., All-Asia, WPX, CQ-M, WAE, etc. Look up some of those contests and see if a combined milli-yun is possible for a Casual Contester. Report back.

I'm sure Old Bob, N6TV, and the other Bob, N6EK, will rattle their cages up to a milli in any big contest. To say nothing of what the multis will do. This all may be diminished by the diminishing sun spots and the diminishing 10m band. But a milli is still a good goal.

So, what the heck, let's run the fun and keep thinking in terms of a milli-yun as a standard of high achievement for combined cw/fone scores in any contest for 1991. Not in Sweepstakes. I seem to remember that one can work an entire weekend for maybe only a killi-yun. I emphasize, however, that no one should be pressured into going for the

milli-yun. Just reserve it for your personal standard if you wish to have that challenge.

## BIG QUESTION

The above brings up another semantic problem—

If a Billi-Yun = 10 to the ninth, and

If a Milli-Yun = 10 to the sixth, and

If a Killi-Yun = 10 to the third, then

What is a Milli Vanilli?

## ARRL DX TEST REMINDER

If you are also a member of the Nor Cal DX Club, remember that individual NCCC members have traditionally assigned their personal scores in favor of the DX Club for the ARRL DX Contests. This is so the the DX Club may compete favorably versus the Southern California DX Club for the SoCal-NorCal Club competition in the ARRL Contest. The award is announced at the Visalia DX convention.

For CQ WW it was the other way. Members of both the DX Club and NCCC assigned their scores to NCCC. We tried to do battle with the Giant Clubs on the East Coast.

If you ARE a NCCC member, but NOT a member of the Nor Cal DX Club, then assign your score to NCCC.

## PICTURES

You'll find a page full of pictures of good-looking people taken at the Christmas Party. A DUB to anyone who can identify everybody on the page. If you can't find your foto, you weren't there. . . . I think.

## NEXT MEETING

**Friday 18 January at the Wagon Wheel restaurant in Mountain View.**

Begin about 6 and eat dinner about 7. Program: we'll think of something. You know it would be a good meeting even if there is no speaker. We have enough to talk about CQ WW CW and the 10 Meter Contest to fill out a good show.

Just come and bring your friends. We'll have an interesting time.

See map toward end of *Jug*.

## CONCLUSION

OK. I think I fulfilled my one-page contract for this month. See you at the meeting. Bring that buddy. Be there.

—73, de W6ISQ

HERE ARE THE QUESTIONS N6BT ASKED AT THE CHRISTMAS PARTY. IF YOU CAN ANSWER 3 OF THEM YOU ARE A GENIUS.

1. Within 10 years, when did James Maxwell (not W6CF) predict the existence of electromagnetic waves?
2. Within 10 years, when were they discovered?

3. What is the number of the first wireless patent ever granted?
4. What was the fundamental wavelength of the great Marconi station in New Brunswick, NJ?
5. When was the first frequency-hopping spread spectrum patent granted?
6. When was the popular Beverage antenna invented?
7. Which Samuel F.B. Morse is presently living?
8. As of 1930, what was the highest frequency deemed useful for radio communications?

Answers elsewhere.

## NCCC Treasurer's Report

July 1, 1990, through January 3, 1991

	BUDGET	ACTUAL TO DATE
Membership Dues	\$2,250.00	\$2,970.85
JUG and Roster Ads	500.00	400.00
JUG and Roster Publishing	(1,000.00)	(1,121.71)
CQP	(1,100.00)	(584.23)
Membership Awards	(600.00)	(210.91)
Visalia Hospitality	(200.00)	0
Self-Funding Events	0	(161.48)
Sponsored Awards	(150.00)	(100.00)
Contingency Fund	(200.00)	( 46.60)
TOTAL	\$ (500.00)	\$1,145.92

### Notes:

1. As of Jan 3, 1991 the balance in our Wells Fargo checking account is \$3,645.15, which includes \$1,153.65 for the Repeater fund.
2. Membership dues have been collected from 122 members.
3. Self-Funding events has paid \$100 to the Pleasanton Hotel for Awards banquet reservations. This is expected to be balanced back to zero at the time of the event.

— Respectfully submitted, Al Maenchen, AD6E, Jan. 3, 1990.

## January club meeting draws near

The NCCC dinner meeting is scheduled for Friday, September 18, at the Wagon Wheel. See JANUARY MEETING in Prez Troster's message, above, for details of planned activities.

## Computer analysis offered for your CQ WW logs

—Jim Neiger, N6TJ

N6AA and N6TJ are once again doing a computer analysis of CQ WW DX Contest logs, both phone and CW. All NCCC participants wishing to see how many "uniques" they produce are encouraged to send their diskettes to

N6AA  
21290 Hillside Drive  
Topanga, CA 90290

Be sure to include your return address for a summary of the results.

## Contest for kids uses Morse code

A December contest in Silicon Valley for children 3 - 15 years old has offered prizes to those translating a message from Morse code. The message, "CODE RED. A BOY IN AUSTRALIA NEEDS OUR HELP," was a promotion for the Walt Disney movie, "The Rescuers Down Under."

Knowledge of code was not required, because a key was provided showing the code characters and the letters represented. Interestingly, the code was American Morse, not the familiar International Morse!

(Thanks to Scott, N1EE, for item.)

## N6TV's evaluation of popular transceivers vis-a-vis CW operation

RIG	PLUSES	FATAL FLAWS
Icom IC-781	FB dynamic range Sharp filters Fast QSK Good preamp. Fast built-in tuner. Beautiful RX audio.	Can't call CQ on one band while tuning for multipliers on another.  No capability to put VFO A in left ear and VFO B in right ear.
Yaesu FT-1000D	VFO A/VFO B stereo option. Listen to DX working split	Horribly noisy QSK relay. Receiver goes dead momentarily when switching from wide to

## ARRL Novice Roundup

— Bob, N6TV

The ARRL Novice Roundup is the contest that started it all for me. If it were not for the encouragement (and extra crystals) of WB6OLD (now KR6X), I probably would have never operated another contest. Contesting needs new blood. We can help encourage new Novices and Technicians if we make their first contest a pleasant experience. How? Make a bunch of contacts in this year's Novice Roundup. Answer all QSLs promptly (I still have my K4BAI QSL from that contest "Glad to be UR 1st Georgia!"). Contact the locals by phone to encourage their participation and answer their questions. Be a "contest Elmer" to someone. This is the best way to get new hams interested in contesting.

This year the Novice Roundup starts at 0000Z Saturday, January 26th, and ends 2400 UTC Sunday, February 3rd. Exchange is signal report and ARRL section. Rules are in January QST, page 79. See you in the novice bands!

## Still Waiting for the Ideal Transceiver

— Bob, N6TV

After reading W6ISQ's NCCC equipment surveys, W6QHS's FB receiver comparisons, *QST* and *CQ Magazine* product reviews of the Icom IC-781 and IC-765, Kenwood TS-950SD, and Yaesu FT-1000D, I've come to a startling conclusion: no one has yet made the ideal transceiver for the CW contest fanatic (me). Here's one reporter's opinion:



	in right ear and pileup in left.	narrow CW filters, causing you to miss hearing a dot or dash.
	Can tune diff. parts of band in each ear thanks to large, separate tuning knob for VFO B.	Receiver CW audio not pleasing.
	Can call CQ on one band and tune for multipliers on another.	
	Spot button.	
Icom IC-765	Preamp. Filters Simplicity Price	CW sidetone does not track PITCH control, it's fixed at 700 Hz. Hissy receiver. Choppy CW in QSK mode.
TS-950SD	Good dyn. range Kenwood simplicity Digital audio filters.	Sub-receiver almost useless due to lack of CW filters, Failure to take advantage of stereo. Sub-receiver makes birdies. CW dot length shortened when using QSK.
TS-930S (my pres. rig)	Super-fast, silent QSK (transistor keying -- no relay chatter!.	Dynamic range and CW filters are not up to today's standards.

In my view, the ultimate single-op combination of transceiver and amplifier would have:

- 1) A rig with two large knobs, one for each VFO (like the FT-1000D)
- 2) Silent transistor keying (like the TS-930S) for superb QSK with a PIN-DIODE amplifier
- 3) Automatic amplifier and antenna switching when you change bands (like the IC-781/IC-4KL/EX-627 combo.)
- 4) A 1 kHz CW filter in addition to 500 Hz and 250 Hz. 500 Hz is way too narrow when you're calling CQ, and 2.2 kHz or even 1.8 kHz is way too wide.
- 5) A Dial Lock button that turns the main tuning knob into an RIT control.
- 6) A CW sidetone that tracks the effect of using the RIT control. If I tune the RIT +0.2 kHz, the sidetone note should go up by 0.2 kHz, just as if I was using the old Drake twins. The ability to hear your own note at all times is very important. It

eliminates the need to press RIT-clear after every QSO because your ears tell you how far you've strayed from your transmit frequency. I sure wish they'd make a transceiver that did this.

Why not just set up two rigs and two amplifiers side-by side? Well, that's fine, but it means your body has to make a physical adjustment every time you switch bands. Furthermore, using two rigs means you can't fully use the rig-control capabilities of the CT software. Ideally, you should just press Alt-F1 to change bands, and the rig, amplifier and antenna should change bands automatically.

OK, so what if you can't wait for Icom, Kenwood, or Yaesu to come out with another radio. What's the best option TODAY? In this reporter's opinion, it is:

Icom IC-781 Transceiver.

Alpha 87A Amplifier (for the quiet QSK and auto. band changes).  
Icom EX-627 Automatic Antenna Selector.

Cost? \$9,670! Oh well, back to the drawing board.  
Let's hear from the rest of you!

### 1990 CQ World Wide Wrap-up —Bob, N6TV

CW Total: 59,011,458  
SSB Total: 79,934,692  
-----  
NCCC Total: 138,946,150

Nice job everyone!

#### CQ WW CW Claimed Scores:

Key to categories:  
S/O = Single-op  
S/A = Single-op, assisted  
M/S = Multi-single  
M/2 = 2 xmtr multi-multi  
M/M = Multi-multi  
10m = Single-band 10

#### DXpeditions:

CALL	Qs	Zs	Cs	POINTS	CAT
D44BC(W6NV)	?	?	?	6100000	S/O
N6TV/KH6	4340	152	285	5622005	S/O
AH6EE(W6XB W0ZZ)	3800	?	?	4600000	M/S
5W1RA(N6RA)	3384	131	242	3721048	S/O
G3SZA(+AA6MC)*	2128	120	377	1244985*	M/S
ZS9/W6KG(+W6QL)	1660	71	165	1137520	M/S
ZK10M(N6OM)	?	?	?	?	S/O
7J1AGQ/2(N6IP)	69	16	16	6304	QRP

\*G3SZA not NCCC member, so 50% of score is applicable

#### Locals:

CALL	Qs	Zs	Cs	POINTS	CAT
N6RO(N6IG K3EST W6RGG)	2715	174	491	5152420	M/S
W6WX(W6QHS KK6QM N6BT W6OAT K4TKM AF6S)	2397	170	474	4419772	M/S
W1FEA/6(+?)	2391	153	401	3819276	M/S
AG6D(+N1EE N6YK)	2021	150	368	1950593	M/S
KI3V/7	1295	142	389	1921689	S/A
AA6PG	1647	132	270	1906284	S/O
NU6S(at WC6H)	1800	124	?	1800000	S/O
WZ6Z	1241	144	370	1808766	S/A
NF6S(+KF6VU)	1251	131	309	1593240	M/S
K6PU	1104	135	318	1424685	S/O

N6EK	1146	117	233	1157800	S/O
NC7K	829	127	296	984774	S/O
WA6IET(+?)	?	?	?	915904	M/S
AD6E	739	126	231	747201	S/A
W6ISQ	663	127	262	731320	S/O
W6BSY	608	134	274	698496	S/A
W6FSJ	566	113	232	554070	S/O
AA6KX	493	125	264	531763	S/A
W6BIP	535	124	251	528000	S/O
NT7E	651	94	190	526820	S/O
AJ6V	577	95	215	498790	S/A
K6MA	370	107	177	295360	S/O
N6GG	678	35	105	276360	20m
N6TIB(+W6REC NV60 WV6U N6KZW)	959	129	300	231403	M/S
WX0B	662	32	86	215940	S/O
AA6QY	370	70	123	186438	S/O
K6ZM	221	77	119	116620	S/A
K6HIH	214	76	106	108290	S/A
KI6YB	189	66	88	80388	S/A
WX6M	140	77	95	59856	S/A
W6FAH	153	55	98	55845	S/A
K6LRN	106	37	56	26412	S/A
N6BIS	1	1	1	6	S/O

#### Other Scores:

CZ7SZ(WA6VEF) 1830 93 33 530000 10m

#### CQ WW SSB Claimed Scores:

#### DXpeditions:

CALL	Qs	Zs	Cs	POINTS	CAT
HC8A(N6KT)	6887	143	460	12276477	S/O
KH6RS(K6GSS KI6EZ KI6CG)	8028	143	313	10645650	M/2
P40V(AI6V)	?	?	?	9800000	S/O
WR6R/KH6	746	137	275	4503984	S/O
GOMFO(AA6MC)	1628	100	330	1761280	S/O
4U45UN(W6ISQ K2GM NA2K JA6TIT)	4786	86	249	939838	M/S
C9QL(W6KG W6QL)	?	63	118	344805	M/S
PJ1B(K3EST+?)	?	?	?	?	M/M

#### Locals:

Call	Qs	Zs	Cs	Points	Cat
N6RO(+N6IG N6TIB K6TMB)	4260	179	551	8303166	M/M
W6QHS(+W6XB W0ZZ KK6QM)	2017	159	462	3509271	M/S
WC6H(NU6S)	2244	128	342	3002830	S/O
N6TV(+N3AHA)	1908	145	397	2845500	M/S
W1FEA/6(+?)	1914	138	390	2804736	M/S
KI3V/7	1507	144	421	2341925	S/A
NF7P(+NC7K KZ4H WB6MFV)	1389	140	350	1800000	M/S
K6HNZ	1422	126	292	1656534	S/O
K6ZM(+AK6T KI6YB NB6L NP4IW WB6MZQ)	1223	124	296	1448160	M/M
AG6D(+N1EE KJ6LD)					

N6BIS)	1086	130	325	1272180	M/S
NF6S (+KF6VU)	1061	123	295	1248984	M/S
W6OAT (+N6BT)	947	124	311	1135785	M/S
N6ST	?	?	?	1020000	S/A
N6EK	1063	113	233	995788	S/O
KE6ZE	1030	102	228	939709	S/O
W6NV (WB6SHD)	1917	39	138	880000	15m
W6FSJ	783	110	235	765210	S/O
AA6KX	606	123	277	642000	S
N6CCL	659	100	239	610878	S/A
WA6AHF (+W6BSY)	811	121	294	484513	M/S
N6EE	476	86	200	387530	S/A
N6GG	404	97	208	344040	S/O
K6MA	415	95	194	326570	S/O
WX0B	662	32	86	215940	15m
WA6SDM	338	67	124	182405	S/A
K6SIK	382	33	106	150398	10m
KA6ING	295	32	99	111743	10m
WA6AUE	186	89	140	109004	S/A
W6BIP	220	30	87	72657	10m
AJ6V	120	46	68	36366	S/A
WX6M	106	24	44	18836	10m
K6BR	700	?	?	?	M/S
<b>Other Scores</b>					
W6EEN	244	48	99	100989	S/O

WA6SDM	117	53	12402
WZ6Z	70	38	5320
-----			
NCCC Total (CW):			1,829,078
-----			
NCCC SS Club Total:			2,968,510
-----			
Last year's total:			1,918,644

### ARRL 10-Meter Contest Scores

CALL	Qs	Ms	SCORE	CATEG.
K3EST (at N6RO)	3300	150	?	Phone
W1FEA	2451	220	1386000	Mixed
NF7P (+NC7K, KZ4H)	2430	199	1243750	Multi
GOMFO (AA6MC)	1088	216	684720	Mixed
N6TIB	1593	163	635048	Mixed
NF6S	949	111	421800	CW
WZ6Z	635	85	215900	CW
AJ6V (+pkt)	503	129	211560	Multi
N6EE	705	114	160740	Phone
QRP				
W6EEN	629	101	127058	Phone

### Sweepstakes Phone Scores

CALL	Qs	SEC	SCORE
W6GO (N6IG)	2468	76	375136
W1FEA (class A)	1545	77	237930
W6BSY	1154	77	177716
W6EEN (+K6XC)	817	74	120916
W6BIP	563	76	85576
N6TIB (class A)	496	73	72416
W6FAH (class A)	382	76	58064
W6CF	126	39	9828
WZ6Z	37	25	1850
NCCC Total (SSB):			1,139,432

### ARRL 160-Meter Contest Scores

CALL	Qs	Ms	SCORE	CATEG.
N6TIB	50	17	1700	QRP

### Sweepstakes CW Scores

CALL	Qs	SEC	SCORE
W6GO (N6IG)	1231	75	184650
WX0B (+WA9ZBV, NY6C)	1130	76	171760
N6RO	1112	75	166800
N6TU	1038	74	153624
N6TV	1033	74	152884
W1FEA (class A)	917	75	137550
WA6AUE	870	75	130500
N6EK	821	74	121508
W6BIP (+N1EE)	817	74	120916
NC7K (class A)	793	75	118950
K6PJY (class A)	780	73	113880
AD6E (class A)	684	74	101232
N6RA (class A)	432	71	61344
N6TIB (class Q)	220	73	32120
AA6QY (class A)	233	63	29358
W6CF	140	51	14280

### ANSWERS TO THE N6BT QUESTIONS

- 1864.
- 1886-1888 by Heinrich Hertz.
- 7777, British, to Marconi in 1896.
- 8000 meters; initial testing at 15,000 meters. Transmitting antenna 32 wires connected in parallel, each wire 5000 feet long supported by 12 tubular steel masts 400 feet high in 2 rows of 6 each. Receiving antenna 2 wires, 6000 feet, on 6 tubular masts, 400 feet high. Commercial power 1100 volts, 3 phase, 60 cycles AC, stepped down to 440 volts at 60 cycles; 440 VAC, 3 phase, 550 HP motor driving a 300 kW 120 cycle generator. Transmission speeds up to 100 WPM! (How they do that?)

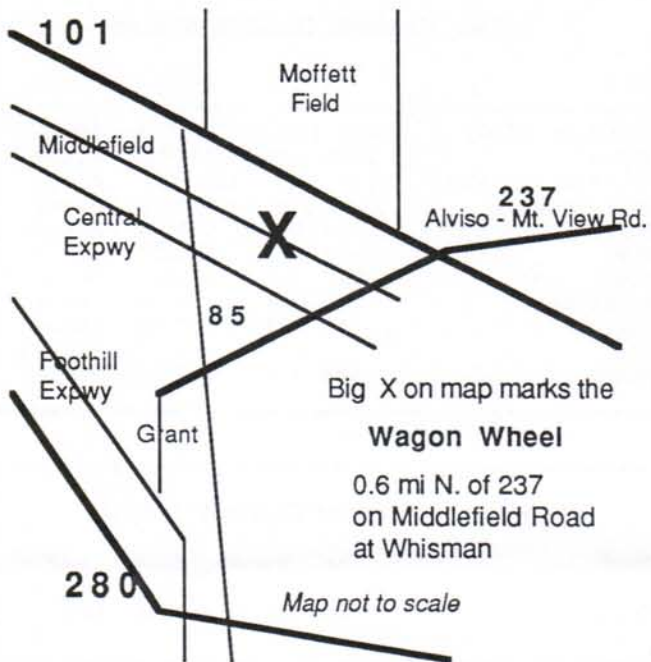
August, 1942, to Markey and Aerthiel "Secret Communication System." A frequency hopping s/s radio system to provide a jam-proof method for controlling the guidance of torpedoes

and missiles. Markey is Hedy Lamarr, her real name.

6. 1927. Traveling-wave antenna.

7. S.F.B.M. III.

8. 30 MHz.



# 42nd INTERNATIONAL DX CONVENTION

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The Northern California DX Club will host the 42nd International DX Convention which will be held at the Holiday Inn Hotel, Visalia, California on April 12, 13, and 14 1991.

The program will open Friday afternoon, April 12 at 4:00PM local time. The Friday night Bar-B-Que (Optional) and Saturday Banquet will be preceded by cocktail Parties, with Breakfast at 8:00AM on Sunday.

The Pre-Registration prize will be a Kenwood TS-440S, so be sure to register before the cut-off date to be eligible for this drawing. The Pre-Registration cut-off date is March 15, 1991.

Manufacturers and Dealers of amateur radio equipment will exhibit and demonstrate their newest products.

## \* \* \* \* HOTEL ACCOMODATIONS \* \* \* \*

Holiday Inn (Convention Headquarters)  
9000 W. Airport Drive 209-651-5000  
Visalia, CA 93277  
\*(Hotel is full)

Radisson Hotel  
300 South Court  
Visalia, CA 93291  
209-636-1111

Lamp Liter Inn  
209-732-4511

El Rancho Motel  
209-734-9271

Marco Polo  
209-732-4591

Travelodge Motel  
209-732-5611

Parkway Inn  
209-627-2885

Shuttle Service will be available from the Holiday Inn to the Radisson Hotel, Lamp Liter Inn, and possibly others.

## \* \* \* \* TRANSPORTATION \* \* \* \*

Special REDUCED air fares (foreign and domestic) are available from AMERICAN AIRLINES direct to Visalia. SEE YOUR TRAVEL AGENT FOR BEST DX CONVENTION FARES. (Ask for S.T.A.R #S3141W8 INTERNATIONAL DX CONVENTION FARE SCHEDULE. In USA call 1-800-433-1790)

Rail transportation is available from Los Angeles and Oakland/San Francisco via AMTRAK. Make your reservations early.

Something for everyone - That's the theme of the 1991 DX Convention. Top flite speakers will keep us on the edge of our chairs as they discuss RTTY, Packet, Computer logging and Contesting techniques. Of course we will have the ever popular DX and Contest forums as well as a number of DX-peditioners with their stories of old and new countries.

Hope to see everyone there!

Convention Chairman: W6MKM Steve -- Vice Chairman: K6ITL Knock  
Other Comittee Members: N6AN, KA6ING, KN6K, W60SP, K6PU, K6TMB, K6TS, W6VG, and KD6XY.





World Games Boat Trip

1-r. K3EST, OK2FD, OK1RI, N6KT



1-r. EA5BRA, OK1RI, YU1RL, N6TV.  
Background: AI6V, W6OSP + XYL,  
WB6MZQ, W6OAT



World Games Banquet

1-r. OK1RI, OK2FD, N1EE, WZ6Z, EA5BRA



1-r. KC6NFE (back), W6CF, Marsha +  
WZ6Z, LZ1MS, LZ2PO, N6TV.



World Games Picnic

1-r. N6ST, (? back), EA9EO & EA5BRA  
taking FCC exams, W6NLG



NCCC Picnic

Mr & Mrs N3AHA



Three highest scorers in CQWW  
 1-r: K3EST, N6KT, P4ØV (AI6V).



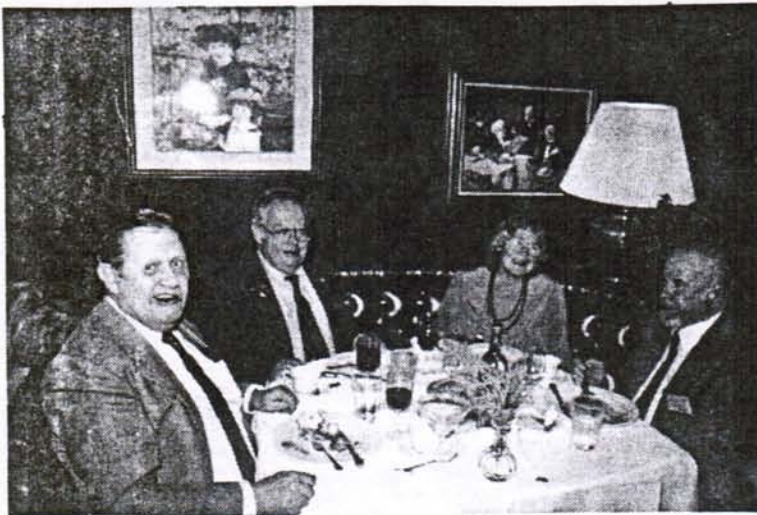
The JUG producers: 1-r AK6T,  
 editor; K6ZM and XYL Publisher,  
 BOD member and YL Alex, KI6EZ.



MC N6BT presents N6RO bathroom  
 fixture prize.



1-r: K6KLY, AD6E, KC6NFE, W1FEA,  
 N6OM. N6OM seems to be saying,  
 "May I put a check in the mail  
 tomorrow?"



1-r. Eric, W6DU, K6MA and XYL  
 Hazel, KI6YB. I think W6DU was  
 a Chief Boswain's Mate He would  
 make a good liaison person  
 between NXDXC and NCCC.

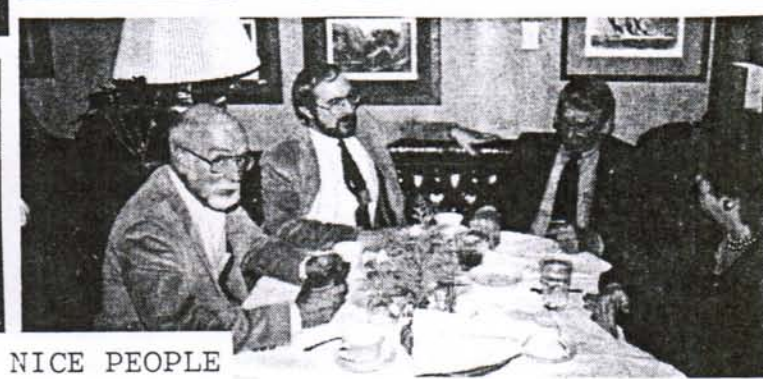
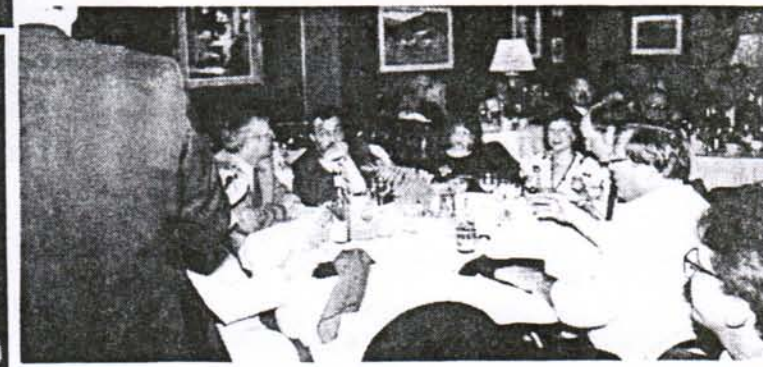


1-r Scott, N1EE; Treasurer AD6E  
 Maggi, KC6NFE; MC Tom Terrific,  
 N6BT

fotos W6ISQ



1990 CHRISTMAS PARTY



ROWDY BUT NICE PEOPLE

