



# MEETING

:

**DATE: Monday, September 10,  
at**

**IHOP**

**1190 Arnold Drive**

**Martinez, CA (925) 228-3322**

**directions inside & on our website:**

**<http://www.nccc.cc/meetings.html>**

# NCCC OFFICERS

President ...

Rick Tavan, N6XI..... n6xi@arrl.net

Vice President/CC

Andy Faber, AE6Y ...  
ae6y@aol.com

Secretary/Treasurer and WEBmaster ....

Ed Muns, W0YK...

w0yk@arrl.net

Directors ....

Bob Wolbert, K6XX ...

k6xx@arrl.net

Ken Keeler, N6RO ...

n6ro@arrl.net

Dean Wood, N6DE ...

dwood@cisco.com

Dennis Motschenbacher, K7BV...

k7bv@arrl.net

ARRL CAC member: Jim Pratt, N6IG...

n6ig@arrl.net

JUG Editor: George Daughters, K6GT... k6gt@arrl.net

**The NCCC 75 meter  
net meets on Thursdays  
at 9PM,  
3830kHz approximately**

# DUES ARE WAY PAST DUE!

**IF YOUR LABEL HAS A  
PINK EXPIRATION DATE, YOU  
ARE OVERDUE! FILL IN THE  
FORM ON THE LAST PAGE OF  
THIS JUG, WRITE YOUR**

**CHECK, AND MAIL IT ALL TO ED, W0YK. THIS IS YOUR LAST JUG UNLESS YOU RENEW YOUR MEMBERSHIP!**

## Contest Calendar

### September

All Asian DX Contest, SSB	Sep 1 - 2
North American Sprint, CW	Sep 8
North American Sprint, SSB	Sep 15
CQ/RJ WW RTTY DX Contest	Sept 29 - 30

### October

California QSO Party	Oct 6 - 7
North American Sprint, RTTY	Oct 13
CQ Worldwide DX Contest, SSB	Oct 27 - 28

### November

<b>ARRL Sweepstakes Contest, CW</b>	<b>Nov 3 - 5</b>
-------------------------------------	------------------

Japan Int. DX Contest, Phone	Nov 9 - 11
------------------------------	------------

<b>ARRL Sweepstakes Contest, SSB</b>	<b>Nov 17 - 19</b>
--------------------------------------	--------------------

CQ Worldwide DX Contest, CW	Nov 24 - 25
-----------------------------	-------------

For a comprehensive contest calendar, log submission details, and due dates for logs, visit:

<http://www.hornucopia.com/contestcal/index.htm>

# XI-ting Times

## The 1-2 Punch!

We need to execute a 1-2 punch! Several of them, in fact:

1. Turn in more SS logs than any other club.

2. Achieve a higher average score per log than any other club.

This simple 1-2 punch will win the 2001 ARRL Sweepstakes and return the coveted gavel to its rightful place in hamdom, here at NCCC. We will:

1. Beat SMC
2. Beat PVRC

And if there is another dark horse out there, I guess we'll have to beat them, too! To do this, we need to:

1. Get every NCCC member to put SS CW and SS SSB on his or her calendar.
2. Get every NCCC member to read and heed that calendar.

For this to be a winning formula, though, we all must:

1. Operate CW Nov. 3-4.
2. Operate SSB Nov. 17-18.

That's right! – We all have to operate BOTH MODES! Now I understand that some of us really prefer CW, and some of us really prefer SSB. That's OK, even if we disagree on which is better. But take that dusty old microphone or paddle out of the drawer this one time and DO IT ALL! Tell you what - I'll make you a deal:

1. Break 1000 Q's on CW and I'll let you operate as little as 14 hours on SSB! (Choose 'em well!)
2. Guarantee me 1300 Q's on SSB and I'll let you operate as little as 14 hours on CW! (Choose 'em even better!)

Now that's a deal, huh?! No pressure, no hard sell, and even a discount on your least favorite mode. Piece o' cake! An offer you can't refuse. Yes, most of us will operate 24 hours per mode. Yes, you will really regret the Q's you miss. Yes, true contesters do it for the joy of kicking butt regardless of mode. But this is a fun club, it's inclusive and non-judgmental, it's a family activity. (You operate and the family does an activity somewhere else.) So consider this offer if you can't go full bore... don't get exiled to Las Vegas!

Now that we understand each other, let's look at some more 1-2 punches. First of all, to kick butt you need to optimize your station:

1. Improve the rig.
2. Improve the logging environment.
3. Improve the antennas.

OK, OK, so that's three punches. But, I cut you some slack, so you gotta do me likewise. You can improve your rig by buying a new one (keep the old one – see below), adding filters, getting a better amp, fixing nagging problems, ... you already know the drill. You can improve the logging environment by adding, updating, or changing the software, learning better how to use your existing software, fixing the RFI from the

CRT, etc. And there are more ways to improve the antennas than Carter's has little pills. But make sure one of the ways you employ leaves you with an *extra* antenna, at least for 40 through 15 (again, see below.)

There are more advantages to be had:

1. Operate high power if you have an amp.
2. Borrow an amp if you don't. It will make a huge difference in score.

And then the final 1-2 punch for this sermon:

1. Make 80-90% of your Q's on your favorite radio.
2. Make another 10-20% on another radio.

That's right – operate SO2R! I know, lots of us have never done that. Me, for instance. But SS is the time to do it! We all know that Sunday afternoon of SS, at least for an active rate runner earlier on, is, well,... not exactly Rate City. For many years I have tried to wear out the VFO A/B switch on my old TS-930 by doing a quick check at one end of the band in between unanswered CQ's at the other. This is not exactly a poor man's SO2R – it's more like a desperate, homeless man's SO2R! This year I'll have an FT-1000MP with two real receivers. (And yes, Bob, I'll get the aux filter for the second RX!) At least on CW that will let me search for signals with VFO B while VFO A is sending CQ. But I hope to do more. I have this old R5 vertical that I can put up, pretty far away from the main antennas. And I have this Elecraft K-2 that has great strong signal characteristics. Will I need bandpass filters on it? I'm not sure, but if I have to I'll buy some. Your situation will vary, but I think you get the idea – on Sunday afternoon you just need some way to do two things at once. That's another 1-2 punch.

And that's one more 1-2 punch than I promised you, so it's time for me to shut up for this month. It's September, folks. The leaves back east are getting ready to turn and here in the Golden West it's time for the worm to turn. It's nearing time for NCCC to get back on top in SS. It's time to win. Ahhh, I love that word!

73 & KB, Rick, N6XI

# SO2R for SS!

## Why Not Try a Little SO2R to Improve Our Sweepstakes Scores?

The conductor has started rapping his baton on the podium to get our attention turned toward our upcoming performance in the SS. He missed the stand on one swipe and got me, so...

Here are a few ideas for a budget-minded approach to adding SO2R capability to your station. If you haven't tried this yet, please think about it. It's really NOT in the too hard box.

### What is important:

Spending time listening to the two radios, and using whatever 2R receive audio and transmit controls you chose, is most important! Actually working stations on each rig with the system is next. It trains your brain to process the receive audio information and your brain & body to use your controls to put contacts in a log.

While radios and antennas are always important to an operator, they are of little use if the op isn't comfortable and can't use them. This is why it is important to start early setting up your gear. You will find it is challenging, and a lot of fun as you figure out what works best. Don't start on Friday night before the contest!

### The 2R Interface:

This is a subject open to lots of creativity and different solutions. There are two basic requirements.

First, you need to listen to either of the two radios alone, and both together. When together, they should be in different sides of the stereo headset. DON'T mix them together in both ears or you will become disoriented, not knowing which signal is coming from what rig. Some use audio mixers. Some just adjust the gain on each rig to suit the situation. When on CW, set the sidetone to a low level so it doesn't distract you when sending on one rig and listening on the other.

Second, you need to send the keying or mike to either rig independently. This can be done by some logging programs, or done manually with a little relay and a foot switch. In normal mode, the key/mic goes to the run rig, step on the footswitch to make a qso on the S&P rig. This can be used with a logging program by paralleling the manual and computer key lines into the relay.

Many build their own little boxes to do these things. Get out the pencil and paper and figure out what you can do. Ready to use products have recently come on the market.

Make your SO2R interface work in a manner that is intuitive and user friendly to operate for YOU! How I think it ought to be is only valuable to me, that's how my brain (and station) is wired. Collect the thoughts of others, and pick through them to find the things that will work for you.

There are dozens of NCCC experts on the subject, they all do it a little bit differently. Do any of our guys have circuit diagrams of what they do? Maybe we can get some on the NCCC website to give ideas on how to approach the problem.

**Radios:**

Ya just need two! While most of us have a "good" rig, whatever that is, we need a second transceiver. It can be anything we have, that we know how to use. While it is preferred to have two good rigs, any second transceiver will work very well. It is more important that you are familiar with it and can use it without excessive distraction. A simple little mobile rig will do.

**Amps:**

If you have an amp, use it! It will make holding a run freq easier and generate a higher score. If you don't have a second amp, don't worry about it! You don't have to have one to increase your score! Last year in SS, my second radio was barefoot, and I worked plenty of stuff with it.

**Antennas:**

Everyone has some assortment of antennas, the key is to figure out how best to use them and identify what antennas to add to allow R2 to be on an open band at all times. Most modest stations have some kind of triband beam for 10M - 20M and some assortment of verticals or wires for 40m & 80m. That already will allow some 2R operating. You can run on the tribander and S&P on the 40m antenna (or vice versa) in the evening. If the 40 and 80 are separate antennas, you can do it at night. So the only thing missing is a second antenna for the high bands.

A triband vertical is an easy way to get the extra capability. I have a force 12 V-3 triband vertical dipole, and it works well and doesn't need radials. This antenna can be ground mounted or put up on a mast attached to the garage or wherever.

Another simple antenna is a G5RV with a tuner, which can cover many bands. One antenna that I used extensively a couple of years ago was a 15m-20m inverted vee at 30 feet. The antenna had two individual vee's on a common feedline. A pushup mast is a simple way to hold the extra antenna.

Do not down play the value of just about any second antennas. You will be amazed what you can work with them. What you work on R2 is more a matter of how well prepared you are to use the 2R system than of the goofy antennas you may use.

**Strategy:**

The 2R station strategy must be arranged for the station (and op). Run on the antennas that are your strongest performers; S&P on the weakest ones.

Because SS allows us to work each station only once, regardless of band, the main objective is to be on the band where the most casual operators are, at any given time, preferably running. If we are on for the majority of the contest, we should assume that we are

going to run into the other guys that are into serious efforts. Everyone is going to work those guys. The extra q's come from the casual op's, so we want to be where they are, when they are there, and make it easy for them to find us (or for us to find them).

For the little pistol 2R guy, the job is tougher, but not impossible. Be on your best antenna, running on the band that has the most activity. Sometimes this means going up higher in the band to be able to establish a run freq, and to be heard. S&P on the next most active band with R2. Sometimes it will be better to search for a clear freq on the R2 band and try some cq's there. If it starts working, qsy the main rig and antenna there, and run for a while; S&P with R2 on the other band. You may stumble across a good run freq and be able to go back and set up the big hardware there.

Building my old 15-20 vee was part of my strategy then. For me, those bands were the most important for R2. If 10m was open, I knew I was going to be on the beam making the most of it. So, R2 could be on 15 or 20. If 10 was not happening, I would be running on 15, so R2 could be on 20, or vice versa. In the evening, while running on 40, R2 could still be back on 20 picking up stragglers.

So, with a triband beam and separate 40 and 80 meter antennas, it only took one goofy high band antenna to be able to 2R the entire contest.

Because things are slow on Sunday, you can alternate cq's on the bands and scare up lots of contacts with a goofy R2 antenna.

My goal in SS is to have every casual op that gets on the air find me and answer my cq, and try and find every other full time station with R2. It usually doesn't work that way, but it's fun trying!

**Managing station interference:**

This is a subject that is too complex to address here. Receive bandpass filters and transmit stubs are commonly used. Sometimes simply choosing the site and orientation of the extra antenna for minimum coupling can be quite effective. Even if you can't eliminate all interference, you can still find lots of extra q's listening in between your cq's. That's what I did two years ago, before I finally got things straightened out here.

So, if you really look at it, it only takes an extra radio, one goofy antenna, and a little switching creativity to turn a modest station into an effective 2R station. Start now! Get it up and working so you can learn how to use it!

73, Kurt, K7NV

# NOTES

## from the NCCC

### Meeting of 13

### August 2001

#### Business

The August meeting was at TIBCO Software in Palo Alto. Using the cafeteria for socializing and refreshments and an adjacent training facility for the meeting and presentation worked out well. Members introduced themselves and described their efforts in IARU, WAE and NAQP, all good practice for upcoming major club efforts. Treasurer Ed, W0YK, reported that although VP/CC Andy, AE6Y, had disappeared to somewhere in South America, he appears to have left the bank account intact and we remain solvent. About 50% of the membership have renewed to date. If you are in the wrong half, PAY UP! Ken, N6RO, handed out certificates to many club members who worked W1AW/6 on many band-modes in IARU.

#### Membership

After a spirited floor fight (*lasting the customary 5 seconds or so... ed*) we elected applicant W6KNS to NCCC membership. He is Chris Christensen, who has a general class license, and lists his operating preference as 90% CW (*the customary 5 seconds applause... ed*). Chris is also a member of the Stanford ARC, and has been known to operate with the group at W6YX.

#### Contests

Sweepstakes Coordinator Ken, N6RO, proposed a lofty goal for November SS (**Nov. 3-4 on CW, Nov. 17-18 on SSB**). In addition to beating SMC, PVRC and anyone else bold enough to compete, we expect to beat our own club competition record. This will be a worthy challenge for the club, one we can certainly meet if we all get on and KB. MARK YOUR CALENDARS NOW!! For the magic number, please refer to the Members Only area of the NCCC Website. You will also find a Pledge Summary outlining current preliminary score predictions – make sure your call is on it by emailing Ken at kenkeeler@jazznut.com. Ken seeks help with the “Get Out the Vote” campaign, especially in the SV and SJC areas. VOLUNTEER NOW! Now is also the time to dust off your logging software, acquire a new package or upgrade. SS is a

great contest in which to try your hand at SO2R and it can make a big difference in your score during the Sunday afternoon “S&P session.” Make sure your station is in shape – your final on the air, live, dress rehearsal type practice session is our very own CQP on Oct. 6-7!

Speaking of CQP, Bob, N6TV, reported that a county coverage tracking sheet will soon be available on the NCCC Website. Figure out where you will be and email Bob at n6tv@kkn.net. More discussion of CQP, counties, roving and other topics will be presented at the September meeting.

N6RO chaired a brief discussion of WPX strategy. Although this third major contest of our club year does not happen for quite a while, NOW is the time to reserve DXpedition sites. See

<http://www.dxholiday.com/>

for some good ideas on where to go. Trey, N5KO, suggested that we field as many MS2O (multi-single, two operators) expeditions as possible as the best way to maximize club score. Two operators can share planning and logistics, baggage allowances and carrying weight, customs negotiation, station setup when necessary, log submission, and, of course, operating responsibilities. More on goals and strategies will be appearing on the Members Only section of the club Website.

#### Guest Speaker

Dave Aslin, WJ6O, gave an entertaining and educational talk and slide show on Contesting in the UK and specifically at the multi-multi operation at M6T (sometimes known as M8T), the contest superstation that only exists for two weeks a year. Operating from a weather- and propagationally-disadvantaged farm, the M6T gang has turned in multiple top-ten scores in multi-multi CQ WW SSB with a 1999 QSO total over 15,000. With five stations in a single truck trailer, a 60KW diesel generator and 14 towers on four acres, this is more than your ordinary Field Day station! The 80M four-square alone includes 256 quarter-wave radials and 700 feet of hardline! If you want to know why they go to all this trouble, or if you think you have trouble getting antennas up in your neighborhood, talk to Dave sometime about UK zoning rules!

#### Bottom Line

It was a good meeting, (they all are!) and members lingered on until nearly 11:00PM taking care of refreshments kindly donated by the Tied House. See you at the next one!

73, Rick, N6XI

# Andy's Dandies

## Travelling

I am very sorry to have missed the last meeting, as the XYL and I were away in Peru and Bolivia on a vacation trip. It doesn't have much to do with ham radio, but at least one minor mystery is now partly solved. You know all those Spanish-speaking stations you hear on 40 meters (both in the phone and CW portions of the band)? Well, it seems that I found the QTH of many of them. Everywhere we looked there were dipole antennas strung up, often folded dipoles, and mostly looking as though they are cut for 40. There were not many yagis, though the Radio Club of Bolivia, CP1AA, does have a nice building and a KT34 on a tower in downtown La Paz – surrounded, however, by high mountains in just about all directions.

Here's a pome about that:

### Ode to Peruvian Antennas

With folded dipoles galore,  
And a tower on every store.  
I can now understand  
QRM on the band,  
And why 40 is sometimes a chore.

## Mobilizing for Sweepstakes

I'm delighted to see that half of our SS organizing team, Ken, N6RO, has recovered from the massive W1AW/6 extravaganza and now is starting to motivate the troops for SS. Great beginning, Ken!

It really is simple. You've gotta get on the air. I can understand some people's ambivalence about SS. I can understand that some people get more excited about CQWW or WPX than SS. If you have a big station, short exchange DX can be more exhilarating than long exchange W's. But SS is a contest we can win as a club, and it is good fun to be part of a winning team effort! Let's all band together and break our previous club record score. We can do it, but it requires participation.

Don't forget that, unlike the CQ WW or WPX contests, SS is a contest where a few club members can't shoulder the burden by making mega-scores. Since there are only 80 multipliers, it becomes a matter of making the QSOs. That means, in turn, that everyone's contribution does count. Even if you can only get on for a limited time, please do so and be sure to send in your log. If you can't get on right at the

beginning, it's also very enjoyable to enter the contest later and be sought after as "fresh meat."

And, BTW, although I thought I would never get any better, last year I did make some 200 more Qs than my previous best in SS Phone. Better conditions? Better software? Better operating skills? Who knows?... But it can happen!

So, please, let's all get behind Ken and Bob and put NCCC over the top this year. You can start by going to the members' section of the web site and making a scoring pledge.

## Two-Radios (SO2R)??

With the official start of the contest season just a month or so away (that's CQP, in case you forgot), this is a good time to think about two-radio contesting. It can be a bit intimidating, but I wanted to offer some helpful thoughts.

I think there are roughly three levels of two-radio contesting. At the bottom level are guys like me with a vertical for the second radio, and a limited ability to go split brain. The next step up is guys who do it competently with two good stations with appropriate filters, and who can keep it up for hours. The highest rank I reserve for guys who can use two radios in a CW sprint – a contest that is hard enough on the brain and the ego with one radio. There are such people, but not many.

From the standpoint of a bottom runner on the SO2R ladder, here are a couple of thoughts that might inspire you to make the plunge:

The second radio doesn't have to be top quality. For example, I use a TS570 (as compared to the TS950SDX as my main radio). While not a great contest radio in its own right, it does an adequate job and is easy to use. Similarly for antennas: a vertical, a dipole, or a small beam can be very helpful in domestic contests.

The second radio is fun in SS, as it allows you to tune around, say on 20 meters while cq'ing on 15. You may hear a rare mult on the second radio, or may simply be able to work a few stations that are on only for a short while, and which you would have missed completely by staying on only one band.

The second radio is very helpful just for monitoring activity and propagation on other bands, even if you aren't making contacts on it.

Switchboxes are now commercially available. I use a homebrew one (schematic on request), but several manufacturers now offer reasonably priced boxes.

SO2R really gives you a chance to wring out your software. I've been working on a new version of CQPWIN, ver. 9.0, which will have enhanced SO2R

support that I intend to try out in CQP. This includes the following: (a) Any of the 9 CW or 9 SSB messages can be set (by a right-click menu) to repeat 3 or 6 times, and can force a switch to either radio 1 or radio 2. (b) By pressing Shift plus the Function Key, the appropriate message will be sent between 2 and 12 times, alternating radios, with a variable delay between messages. I am looking forward to trying this out.

Anyway, let's start getting our minds in gear for CQP and SS. Then we'll worry about WPX! See you all at the September meeting.

73, Andy, AE6Y

## W1AW/6 Wrap-up

Thanks to all club members who hunted down W1AW/6 in the IARU Contest in July. Participation from W6 is what kept up the pace for our 12 band-mode stations. The high band lack of propagation and low band QRN made for a disappointing total score, but this was still an enjoyable effort for all concerned.

W1AW/6 made over 9700 QSOs, and a score of about 7.8 million points, edging out the other USA HQ station NU1AW. Although we were unable to beat the old record holder DA0HQ, they too were disappointed, as R3HQ beat them by 3 Million points!

Thirty-two stations, mostly NCCC members, qualified for our special certificate award for finding us on all 12 band-modes. A total of 220 stations around the world qualified for one of our awards. Many were presented at the August meeting. The remainder will be awarded at future meetings or mailed. A certificate for the W1AW/6 operators is also in the works.

A detailed write-up with all the usual band breakdowns etc., is on the NCCC web page. From the home page, click on the W1AW/6 button. Again, thanks to all participants and station hosts!

N6RO, Coordinator.

## Long-time NCCC member seeks help... continued

*(This is a continuation of Jack's communication in last month's JUG. The actual reason for the delay was Jack's nap. Or was it mine? Anyhow... ed)*  
(We pick up where we left off last month when W6ISQ was cut off by space constraints.)

....wait until I can scrounge me a MP10000, or should I just fergit the whole thing and git me a new Roman V? But now look what's hoppinin'. ARRL is spetitioning the powers in Washninton to give us amateurs a 150k segment around 5 megs somewhere so's we can fill in when 40 goes dead and 80 is not yet alive. It's for emergency porpoises, if I understand it rightly.

So where does that leave one? Well, to begin with, that leaves one, or even more of us, out shagging flies. One will have to sell... or try to sell, his/her present exciter or modify it to fit into 5 megs. But how many of you folk would like to get your old 100 watt smoldering iron inside onea them new rigs? It would be like tying to find out where to put a quart of oil in your new zippy car. Cain't not be done. Now, maybe that should not bother testers because mabee there will be a limit of 50 watts er sumpin on 5. And maybe no contests will be allowed, just like on the WARC bands. But I hear maybe 30M will now be eligible for DXCC next year, so's maybe the WARCS and a New 5 will be elevated and up-graded into a dignified and upper status and we can contest on WARCS before too many years. Omigosh, Contesting all 10 bands! Wowzap!

In that case, with 5 mabee gonna be eligible for something like contests, I would be left out in my igloo not being able to work on 5. So, we got instant obsolescence of them fancy rigs with the numberals and all them nobbs. I'm all adither with them new developments. Maybe I better not git me a FT10000 just yet. So mabee I should keep the ole TS-830 another few years until the new rigs come out that will cover 5. Yeah, just thimk of all them new rigs as will be coming out with the new 5 attached. I'll have to begin all over again to choose me a new rig. On the other hand, if I could forget about 5, I might be able to pick up an old discarded FT1000 --- or even one with a Numberal on it --- for dirt cheap when all them other fellas peddle theirs to get the new 5 meg rigs. Of course, I'll have to give up all hopes of DXCC and contesting on 5. But praps I could modify the Old Faithful TS-830 for 5. That's a much smaller box, only a few nobbs. Not so many screws to unscrew, good old fashund tubes... I bet Old George over at HRO knows how to modify my... bet he could go into business modifying changes in them new fancy rigs and... (W6ISQ has exceeded his allotted space for the month and will have to dither for another month about how to up-improve his new station. Ed)

*[Editor's note: the last parenthetical alleged editor's note isn't an authentic editor's note. It's just nap time again... ed]*

73, Jack, W6ISQ

# Advance Notice! Holiday Meeting/Banquet Save the Date!

The 2001 NCCC Holiday Party will be Monday night, Dec. 10 at Chef Wang's in Mountain View, the same site as our very successful 2000 party. The food was wonderful last year and it's a bargain at \$25 per person, all included. We won't be collecting reservations for a while yet, but do mark your calendars for this highlight of the NCCC social year.

Rick, N6XI

# THE 2001 SWEEPSTAKES CAMPAIGN

Thanks to all who attended the meeting on August 13 for helping to get the NCCC machine ready to roll over SMC (last year's winner), PVRC, YCCC, FCG, and any other big club challengers in the coming ARRL Sweepstakes Contest. At the meeting, we signed up 39 initial score pledges from 20 club members, amounting to more than 5.5 Million points. This is about 30% of the score we need to reclaim our rightful place at the top of the unlimited club competition standings. We're starting the campaign early this year, so that YOU can arrange your schedule to contribute to a NCCC victory in the 2001 ARRL SS.

The most important thing we need to do now is to get each club member to commit to as much contest activity as possible on both weekends, as an operator or station host. What weekends? **CW - November 3-4, and SSB - November 17-18.** Contests starts at 1 PM (local time) on Saturday, and end at 7 PM on Sunday night. Operate up to 24 hours out of the possible 30. Mark your calendars NOW to make this weekend available for you to contribute to NCCC's big effort of the year. We have won more than a dozen times in the past 30 years, but cannot win again without every club member's help. The Board of Directors and other key club contributors now comprise the SS Committee, as it will take the entire club leadership team to promote and organize this campaign. Please add your time and contesting talent, to help get the SS Gavel back in NCCC territory, WHERE IT BELONGS!

For those who need their XYL's "permission" to operate contests, please prioritize these two weekends.

If you typically work on weekends, please make arrangements to have the contest portion of the weekend free to make points for the club. For those who prioritize the CQ WW contests in October and November, please try to adjust your travel plans to operate the SS, or make your station available to club members who don't have one. If you cannot commit to a significant operating effort, consider welcoming a fellow club member to your station for a single or multi-op entry.

How many Q's will it take? Here are SS Score estimate guidelines, for one mode:

Score	QSOs
50k	360
100k	650
150k	950
200k	1260
250k	1560
300k	1900
350k	2200

A master spreadsheet is now on the NCCC web site members page, listing the entire club roster, and scores pledged so far. Go to [www.nccc.cc](http://www.nccc.cc) and click on MEMBERS, enter the password, then click on "2001 Sweepstakes Member Pledges". It's a deep spreadsheet with three sections: 2001 scores pledged to date, last year's participants who have yet to pledge, and last year's non-participants (**More than 100 Club Members ???!!!! Get real, folks!**) We will update the list each week, as the pledges come in.

Please post on the club reflector (or direct to me, by email or postcard) your best guess on points you can contribute, even if a first "WAG." You can update it later. Every member will be contacted in the next two months, following up on this announcement. You CANNOT EVADE the SS COMMITTEE. (SS Troopers... ed) To avoid future embarrassment, harassment, etc., sign up NOW to do what we hope you joined the club for - to contribute to our major club competitions. Not only do we want and need your participation, we fully EXPECT it! Thanks for your KB support.

N6RO, der SS Kommandant!

# How to get to the next



# NCCC Meeting

The September meeting is at the International House of Pancakes in Martinez. The program will be: CQP final plans, Sweepstakes Update, and a SO2R panel moderated by N6TV. (*N6TV's panels are definitely worth seeing!... ed*)

6PM: schmoozing

6:30PM: dinner

7PM: meeting and program.

The IHOP is located at 1190 Arnold Drive. It is just off Highway 4, very close to 680. Location is on the SW corner of Morello and Arnold Drive. Exit Highway 4 onto Morello north, go one block, turn left on Arnold, left into the shopping center, and left again toward IHOP.

Dinner is \$10 for entrée of Sirloin Steak, Grilled Cod, or Herb Roasted Chicken with your choice of two sides (with steak) or three sides (with fish or chicken) from Soup, Salad, Vegetable, Potato (Idaho baked or red-skinned fries.) (N6RO recommends the boiled red potatoes!)

Make your reservations with W0YK by Thursday, September 6, so he can give the restaurant our headcount.



Veep Andy, AE6Y, and John, W6LD, finish off the last of the chores (award mailing) for the 2000 CQP just in time for... the running of the 2001 CQP!



The grim countenances of Carl, AI6V, and John, K6AUC, convey their disappointment with the program at an NCCC meeting.



Prez Rick, N6XI, gives consideration to an application for membership in NCCC, while the applicant is given the mirror-fogging membership qualification test.



Peter, AB6WM, shows his happiness with being back from Andorra! (Or is he glad to be *going back to* Andorra?)

=====  
===

**USE THIS FORM TO PAY DUES FOR 2001 – 2002 !**

Name: _____	Full Members .....	___ x \$24 = _____
Call: _____	Family Members .....	___ x \$12 = _____
Address: _____	Associate/Student .....	___ x \$12 = _____
_____	Donation to General Fund .....	_____
_____	Donation to Repeater Fund .....	_____
e – mail address: _____	TOTAL enclosed .....	_____

**I'd like to get my JUG at the NCCC website each month, and donate the savings to the general fund!**

Home Phone: \_\_\_\_\_  
Work Phone: \_\_\_\_\_

Ed Muns, W0YK  
P.O. Box 1877  
Los Gatos, CA 95031-1877

Cut out the mailing label to the right, and use it to mail the renewal form and your dues check to:

# Manufacturer's Day Aug 25th-Salem, NH



# HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

**MANUFACTURER'S DAY - Aug 25!**  
 Special one day only pricing at ALL 12  
 HRO STORES for Manufacturer's Day.

(Salem only) - **Hourly Prizes** -  
 - **Meet Mfr. Reps** -  
 - **See the latest gear** -  
 10:00 - 5:30 pm  
(no purchase necessary)

## WORK THE "DX" MAGIC WITH ICOM HF



### IC-706MKIIG

#### Proven Performance

- 160-10M/6M/2M/70CM
- All mode w/DSP
- HF/6M @ 100W, 2M @ 50W
- 440 MHz @ 20W
- CTCSS encode/decode w/tone scan
- Auto repeater • 107 alphanumeric memories



### IC-756PRO All Mode Transceiver

- 160-6M @ 100W
  - 32 bit DSP
  - 5 inch color TFT w/spectrum scope
  - Digital IF filter with 41 passband widths
  - 121 microphone equalized audio settings
  - Multiple DSP controlled AGC loops
  - Advanced CW functions
  - 101 alphanumeric memories
- \*Free World Time Clock from ICOM while supplies last.**



### IC-746 All Mode 160M-2M

- 10-2M @ 100W
- IF-DSP+ twin pass band tuning (PBT)
- CTCSS encode/decode w/tone scan
- 102 alphanumeric memories

### ANAHEIM, CA

(Near Disneyland)  
 933 N. Euclid St., 92801  
 (714) 533-7373  
**(800) 854-6046**  
 Janet, KL7MF, Mgr.  
[anaheim@hamradio.com](mailto:anaheim@hamradio.com)

### BURBANK, CA

2492 W. Victory Bl., 91506  
 (818) 842-1786  
**(800) 854-6046**  
 Eric, KA6IHT, Mgr.  
 Victory Blvd. at Buena Vista  
 1 mi. west I-5  
[burbank@hamradio.com](mailto:burbank@hamradio.com)

### OAKLAND, CA

2210 Livingston St., 94606  
 (510) 534-5757  
**(800) 854-6046**  
 Mark, W17YN, Mgr.  
 I-880 at 23rd Ave. ramp  
[oakland@hamradio.com](mailto:oakland@hamradio.com)

### SAN DIEGO, CA

5375 Kearny Villa Rd., 92123  
 (858) 560-4900  
**(800) 854-6046**  
 Tom, KM6K, Mgr.  
 Hwy. 163 & Claremont Mesa  
[sandiego@hamradio.com](mailto:sandiego@hamradio.com)

### SUNNYVALE, CA

510 Lawrence Exp. #102  
 94085  
 (408) 736-9496  
**(800) 854-6046**  
 Ken, K12KM, Mgr.  
 So. from Hwy. 101  
[sunnyvale@hamradio.com](mailto:sunnyvale@hamradio.com)

**NCCC**  
**44 Toyon Terrace**  
**Danville, CA 94526**

check us at:  
<http://www.cqp.org>  
<http://www.nccc.cc>  
 repeaters:  
**W6RGG/R 147.24 +**  
**and 444.2 (PL107.2)**

**FIRST CLASS**

**FIRST CLASS**