

Club Repeaters W6RGG/R 147.24+, 442.200 (107.2PL)



JUG

**NEXT NCCC MEETING!**  
**NOTE: THE DATE IS**  
**MONDAY, AUGUST 11,**  
**THE TIME IS 6:30 P.M.**  
**AND THE PLACE,**  
**SOUTH BEACH YACHT**  
**CLUB, SAN FRANCISCO!!**  
**DIRECTIONS BELOW!**

Hey, Heads Up, it's in San Francisco!! On Monday, August 11, 1997, at Pier 40, Embarcadero Blvd., we will convene for Social hour and food at 6:30 P.M. At 7:30, two dynamite short programs: "Insider's Guide to the S & P 300: The Sprint Masters' secrets of how to get Your Rate Up 75 per hour (or 300 in Four Hours)" moderated by S & P expert Bob, N6TV, who will attempt a video presentation!

The Second presentation is designed to get us all fired up for taking a trip in the ARRL DX Contest to help the Club in its first major effort toward dominance of that contest. It's by intrepid contest expeditioner Bruce, N6NT, entitled "Cheap and Easy Contest Fun in the Sun." You won't want to miss this outstanding meeting.

**Directions to South Beach Yacht Club:**

From the SOUTH: Take 280 North, and in SF stay to the left until 280 becomes King Street. (Don't take any exit to the right!) Follow King Street for a few blocks until it merges onto The Embarcadero. Turn right into the Pier 40 parking lot--if the parking spaces are filled, drive into the building on the pier for more spaces. The

SBYC is the first building next to the yacht harbor, right off the parking lot and adjacent to the pier building just noted for additional parking.

From the NORTH: Get on The Embarcadero and Pier 40 is just South of the Bay Bridge.

From the EAST: Cross the Bay Bridge into San Francisco and get on The Embarcadero to Pier 40 just South of the bridge.

73, AE6Y

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**JUGHEAD'S MESSAGE**

*(Important!* We have gotten requests like "Why aren't my scores in the JUG?" and "Where's my plaque/bottle of wine/t-shirt, etc.?" If you want credit toward awards, you **MUST** send all claimed scores to the reigning VP/CC, N6TV, via packet, snail - mail, or e - mail to **n6tv@vnet.ibm.com** )



## JUGHEAD CONT'D

The Program at July's meeting in Livermore, was "Yen and the art of contest rig selection."

Remember a couple of months ago, when N6TV showed up with a 2 - meter handy - talkie? Had one of our champions of the CW mode joined the "hamshack on a belt" crowd? Well Bob showed up at the July meeting with what looked like, to the ol' JUG editor, a mag - mount, base - loaded, 11 meter CB whip on his car! I was considering painting over his BMW's "N6TV" license plates! He assures us, however, that the antenna was for the meeting's "Rig Demonstration" only! K6GT's Celica/20 meter Hustler combination rounded out the antenna farm for what turned out to be a very informative program.

About 30 members chatted and ate pizza waiting for the comparison. It was hoped that having the meeting "over the ridge" from the bay area would make attendance easier for "easterners." It worked better than we could have imagined! Timo, OH2BMH, showed up!

When the last bit of pizza was gone, the program began with N6TV showing off the Yaesu FT-1000MP. Salient features are:

- Two receivers with true stereo audio output. This allows the single - op to run on one frequency, while *simultaneously* listening on another frequency, e.g. operating search - and pounce elsewhere. When a juicy multiplier is spotted, push a button to exchange the frequencies, work the multiplier, then pop back to the run frequency.
- Better QSK characteristics than the FT-1000D. There is less "chopping" of the first dit, and the rig is very quiet. You don't hear a relay clacking away.
- Filters galore. There are 5 (five!) levels of filtering available at two intermediate frequencies in the main receiver, and a 500 Hz CW filter for the second receiver as well.
- Two antenna jacks and a receive antenna jack.
- RIT cancel is quick and effortless.

Then Bob mentioned some negative aspects. There are two key jacks, either of which can be used for a paddle for the internal keyer or for a straight key (or for computer keying). But both jacks are the same... either internal keyer, or straight key... not one of each! Pushing any button mutes both receivers for a brief time (a dit or so.) Some of the knobs are very small.

The price is about \$2700 with no filters. Loaded, it runs about \$3500 plus tax and license.

Next, Andy, AE6Y, showed the Kenwood TS 950 SDX. Its features include:

- Again, two independent receivers with stereo and separate controls for the sub - receiver.
- Two key jacks which work independently... one for the paddle and one for the computer.
- A memory keyer is included which will store 3 CW messages. An option is a 3 - message voice keyer.
- Output is 150 watts.

The list of negatives includes: 1) a serious chopping of the first dit when using QSK, 2) an "early" embodiment of DSP, with no noise reduction or "auto notch," and, 3) what Andy called "daunting complexity." (I'd venture to say that all of today's radios have that in common! ... ed)

The price is about \$4000 plus tax and license.

The next rig presented was the Yaesu FT - 920, which was shown by Chuck, NF6S. He opened by saying "I'll keep it short. This is a single - receiver FT - 1000MP," but this turned out to be not quite the case. It's better than that! Features are:

- Good, fast, antenna tuner.
- Two antenna jacks and a receive antenna jack.
- 6 meters.
- Two independent key jacks.
- Memory keyer with 4 CW messages, and 2 phone messages.
- Tx and Rx audio characteristics can be independently tailored.
- DSP hi - pass and lo - pass are concentric controls. The bandpass can be set as desired, then "swept" by turning the concentric knob combination.
- A separate i.f. passband control.
- Negatives include: single receiver (but convenient A/B, split, etc. buttons), fewer filter options than FT - 1000MP.

The price (with no filters) is about \$1800 plus tax and license.

The last rig was the Icom IC - 756, presented by Kenny, K2KW. As we all know, Ken is a DXpeditioner. His rig must perform up to a certain standard, but size is very important to him. He likes the IC - 756 because it has:

- Small size. It weighs ten pounds less than the FT - 1000MP, and it will fit in an airline carry - on with room to spare for a power supply, paddle, etc.
- Dual receiver, but no stereo.
- A clean transmitter and receiver. He has had no problems with it in multi - operator environments.
- A 5 message CW memory keyer.
- Separate paddle/straight key jacks.
- Two antenna jacks and a receive antenna jack.



- A good antenna tuner.
- DSP with auto - notch.
- Best display and easiest menu he's used.
- Some negatives are: only 1 set of filters can be installed; the receiver outputs are mixed monaural; each message for the memory keyer must be loaded by keystrokes on the front panel, not just by sending CW to the radio and having it remember it.

The price without filters is about \$1900 plus tax and license.

I hope this conveys the major points which were presented with each rig, and that I haven't missed any key features! I think you can see that it was a great meeting with valuable information for HF contesters.

73, K6GT

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## ANDY'S DANDIES

### July Meeting

The July meeting was a great success. Titled "Yen and the Art of Contest Rig Selection," it featured a comparison of four rigs of interest to contesters: the Yaesu FT1000MP and FT920, Kenwood TS950SDX and Icom 756. Thanks to all who helped out, including N6TV, who brought one of his two new MP's, Chuck for the 920, Ken, K2KW, for the 756 and yours truly who lugged the 950 to the meeting (it may qualify in terms of weight as a solid-state boat anchor, hi). Special thanks to Chuck, NF6S, who not only arranged the site in Livermore, but also ordered and bought the pizza, moved the tables around, strung the coax, brought his FT920 (which was only available by dint of his heroic efforts with Yaesu to get it back from their repair facility the afternoon of the meeting)--and at the end of the meeting while everyone else was hanging around looking at the radios and chatting, Chuck and Don (W6OA, who also helped, and who brought the pizzas) were busy vacuuming the council chambers!

My analysis of the state of the art: it's very interesting that the manufacturers keep increasing the digital signal processing component of the radios, but don't quite have the computing horsepower to do it economically at reasonable IF frequencies (e.g., the MP does 4th IF filtering at a frequency in the audio range, 19kHz). It's also noteworthy that Kenwood and Icom are generally experimenting with DSP in their mid-line radios, not their top-of-the-line units. This suggests that unless you just gotta have the newest and the best, it might make sense to allow the experimentation to go on for another year or two before committing to a major purchase in an arena of such rapidly changing

technology. Although there is a more detailed write-up on the rigs elsewhere in this issue, here's my short take on the four radios.

**FT1000MP.** Probably the contesters' best choice for a fixed station radio. After all, can VP/CC N6TV possibly be wrong in his decision to replace his two venerable TS930's with MP's? [Actually, three factors suggest that the Bob-The-Contest-Guru may be losing it: first, his admission at the meeting that he overslept and missed the first hour and a half of the IARU contest - something he never would have done in his younger days. Second: the fact that he now is a full-fledged member of the "shack-on-a-belt" crowd. Last, his obsession, bordering on a neurosis, with never using a radio that lacks an instant clear function for the RIT. (Don't forget the 11 meter whip! ... ed)] Nevertheless... It has stereo dual receive, extensive filter selection (unfortunately, virtually all the filters are optional), and modern dsp noise reduction and filtering.

**TS950SDX.** An older generation rig, but solid and reliable, with most all of the features of the MP at a considerably lower cost (used), lacking only the dsp noise reduction and automatic notch. It also has true stereo dual receive and many bells and whistles, plus 150 watts of output. (The others are 100 watters.)

**FT920.** Chuck calls it "one-half an MP," *i.e.*, it has most all of the features of the MP, but no dual receive. But it has the best dsp and controls yet put on a ham radio, plus an excellent display and front panel layout, all at a price that is about *half* that of an MP.

**IC756.** An interesting new rig with a CRT-type display. Ken thinks the display is great for numeric and alpha information (*e.g.*, menus), but that the panoramic band view feature is not implemented well enough to be very useful. But he loves it for its portability, light weight, and utility in multi-multi environments.

Here's a pome about these rigs:

Gotta (lotta) Yen for a New Rig?  
 For winning the contests this fall  
 A new rig will make you stand tall.  
 Well, Kenwood is old,  
 And Yaesu is bold,  
 While Icom weighs nothing at all.

Regarding the meeting location, it was a bit disappointing that more of the usual South Bay stalwarts declined the opportunity to drive to Livermore in rush hour (and to add insult to injury, the trip back at 10 p.m. was very slow due to road construction on 680,) but it was gratifying to see a number of guys from the East who don't ordinarily show up at meetings.



These include George, KI6CG, from Grass Valley, Bill, K6KM from Yankee City, Jerry, N6IFW, from Stockton, Bob, KN6QT, from Pleasanton, and new member Bruce, KD6WW, from Lodi. Although Timo, OH2BMH, came all the way from Finland, Ed, W0YK, claims the prize for driving the longest distance. Due to some directional and route-finding difficulties, he spent most of the evening and most of a tank of gas getting there from Palo Alto!

Nevertheless, we are determined to persevere in our desire to move the meeting locations around to encourage attendance. Tentatively set are August in SF, September in Contra Costa, October in Santa Clara, November in Palo Alto, and December in Pleasanton. This will mean that from July through December, we will have met in four different counties.

## BOD Sidelight

Elsewhere in the JUG, there is a report on the BOD meeting held at my house on July 26. This is our second full BOD meeting, and I have to take a moment to express my grateful appreciation to the BOD and the JUG editor for taking the time to attend the meeting, to participate fully and to make things happen in this club. Nothing happens by itself—if a core group doesn't plan and take it upon themselves to make it happen, apathy is the result. So my hat's off to this determined group who are doing a bang-up job this year.

A further tip of my team NCCC hat (an SS participation award from 1994, BTW) to Bruce, N6NT. He managed to identify a pile of aluminum in my driveway first, as a Force 12 design, second, by specific antenna model (a 3-element 20/2-element 40 on a 28 foot boom,) and third, by naming the ham I had obtained it from (Bob, AA6VB, who is taking my C4SXL in trade.) Amazing!

## Quiz results

In last month's column, I published the membership list of NCCC in 1974 (courtesy of Ken, K6PU) and challenged any readers who actually slogged through to the end of the column to match the old calls with current calls. Out of the multitude of entries submitted, the winner is none other than Bob, W6RGG. He made only three mistakes, but these are balanced by a few new calls that weren't on the list (e.g., N6KB for Bob himself.) If he had been at the meeting, he would have won Chuck's FT920 as the grand prize! Alas, he had another commitment, so he gets a consolation prize, which will be announced and presented at the next meeting he attends. Here's the list

from last month with the new calls added in parentheses.

WA6AHF	Rubin (no new call)
K6AHV	(W6RJ) Robert
K6AQ	(W6CF) James
K6AUC	John (no new call)
W6BH	Lee (no new call)
W6BHY	(N6TJ) James
W6BIP	Wilbur ("Bip", no new call)
K6CQF	(K6PU) Ken
WA6CVU	(NR7E) Rod
K6DC	Merle (no new call)
VE3DXV/W6	(N6QR) Adam
K6ERV	Jack (SK)
W6GFS	(KN6J) Robert
K6HIH	Clifton (no new call)
W6HQN	(K6KM) William
WA6HRS	(N6HR) Hillar
WA6JVD	(N6JV) Norman
WB6KIG	(W6OL) William
W6MAV	(K6RV) Donald
W6NJU	(KI6T) Gary
W6NKR	Marion (no new call)
W6NUT	(N6RA) Tom
W6OAT	Charles (no new call)
W6OKK	Pat (SK)
WB6OOL	(W6OOL) Peter
K6OZL	(K6UR) Ron
W6PAA	(N6RO) Kenneth
W6RGG	Robert (no new call)
K6SSJ	Bob (SK)
WA9UCE	(N6RJ) James (SK)

See you all at the next meeting. Note the date: the second Monday of the month, August 11. Be there or be square!

73, Andy, AE6Y

# DUES DUE!

**TAKE A LOOK AT YOUR MAILING LABEL. IF IT'S ORANGE, THEN AS OF 30 JULY YOUR DUES ARE IN ARREARS! TAKE THE TIME TO FILL OUT THE FORM ON PAGE 9, WRITE OUT YOUR CHECK, AND MAIL IT TO THE ADDRESS SHOWN ON THE FORM! (DO IT NOW; DON'T PUT IT ON THE DESK!)**



# NCCC'ers at W6YL FIELD DAY: 2A EAST BAY

Finding the prospect of operating in Class 3E at a luxurious estate with sumptuous cuisine prepared by a chef imported from Hawaii a bit too "tame," six hard-headed NCCC members trekked to the wind-swept 2000' high summit estate of Oliver Sweningsen on Sunol Ridge for a more traditional Class 2A Field Day. Members AD6E, W6WS, N6NZ, KX7M, N0BBS and AE0M accompanied an expedition including SJSU's W6YL club alumni and the antenna-deprived members of Intel's W6CPU club including WR6K, AA6FB, WA6BXP, KD6DWW and KD6VZQ. Two all wire HF stations including 5 elements on 15m and 20m and 4 elements on 40m and 80m plus a full complement of dipoles supported by three 45' masts were erected in gale force winds and fog at the east sloping 45 degree cliff edge. These antennas were excited by an FT990 and a TS950 and QSOs were logged on two networked computers using TRLog.

The Tech, Tech-Plus, Novice and ex-licensees operated a novice station with a TS850 and an RX-7 on the ridgetop, logging all contacts with TRLog. A packet station and two all VHF stations including the famous N6NZ rover van completed the array. 938 CW Qs, 915 Phone Qs and bonuses for 100% generator Emergency Power, Message Origination, WIAW message, Packet Radio, VHF/UHF the final score was 6,280.

## IN THEIR OWN WORDS:

Two words: WIND. COLD. Repeat them over and over. It was certainly an adventure. Some people talk about a 'work hard, play hard' approach to life. Field Day is my opportunity to 'play hard'. This year was no exception. It's the best weekend of the year!

Walt, W6WS

Based on our wind experience (40 mph with gusts to 60+), we should petition the ARRL for Hazardous Environmental Conditions Bonus points. I suggest a wind multiplier bonus of:

$(\text{Wind Speed} - 15) * (\text{height} / 10) * \text{Number of Antenna Supports}$

With our 23 elements of wire we would have 600 more points. I suggest an extra Bonus of 100 points for the fog/cloud ceiling of less than 50 ft.

I suggest an extra Bonus of 200 points for every temporary shelter destroyed by weather: two tents, plus the shademaker and outhouse for another 800 points. -

Al Woodward, WB6ZLM

I for one would be glad to tell you I had a great time participating in my first field day, albeit with a good dose of jet lag that cut short the day for me. I mostly spent my time on 6 meter SSB, and managed to make about 20 QSOs there before becoming aware there weren't too many new stations appearing. As a recent upgrade to tech plus, I decided to switch over to CW for a while and see if I could work my first CW QSO. I tuned up and down 6 meters to find some code. To make a long story short, I tried to work a beacon!

Dave, KF6DWW

It took us until 21:30Z to get the second HF station QRV. Those 2.5 prime time transmitter hours on 20 and 15m and would have produced 100-150 more QSOs each on CW and SSB, raising our score by 600-900 points. A mobile whip antenna on a Ford Escort parked on our ridgetop would have made 200 QSOs.

Tony, AE0M

Think so? An Escort would never have made it up the hill. An Escort with a decent mobile whip on the back bumper would never have its front wheels on the ground.

Al, AD6E

Hauling us and 1,000 pounds of gear in a minivan with one older tire up the "recently regraded" jeep trail wasn't such a hot idea either. We immediately put the minivan in the shop for a pre-vacation check-up. The mechanic looked at the left front tire and said "What have you done to this thing?! It looks as if someone has taken a giant rotating wire brush to it; it's shredded it down to the steel radial plys!" Later that day, he called and said, "We replaced the tire but something has also slashed your right CV boot." (I thought gravel meant less than 2"...). The part is not in stock, and it will be a couple of days." "Oh, nooo! We need it for our vacation --- tomorrow. We're really looking forward to it," I replied. "Ok, we can express order the part and you can have the van in the early afternoon. Where are you so eager to go?" "Dismal Swamp, Idaho." After a pregnant pause he responded, "Is your maiden name 'Addams?'"

Celia, N0BBS

Now to see if we can recruit the non-members and get them all on the air to submit their Sweepstakes scores for the NCCC!

AE0M, Tony Becker



# NCCC BOD MEETS

The NCCC BOD met on July 26, 1997 at AE6Y's house. Present were officers AE6Y, N6TV, and W0YK, directors WA6SDM and N6NT, and JUG editor K6GT.

Action minutes follow:

1. Future Meeting locations [TENTATIVE]
  - a) August 11: SF
  - b) Sept 8 Concord or Walnut Creek area (K2KW to find site)
  - c) Oct 13 HP Santa Clara
  - d) Nov 10 HP Palo Alto
  - e) Dec (TBA) Pleasanton
2. Future Meeting topics [TENTATIVE]
  - a) August
    - i) N6TV: "S & P and Other Deviant Behavior" or "the S & P 300: Secrets of the Sprint Masters to get your Search and Pounce Rate up to 300 in 4 hours"
    - ii) N6NT: "Guide to Cheap, Easy and Fun Contest Expeditioning"
  - b) Sept
    - i) CQP organization and strategies
    - ii) Panel discussion on different ways to participate in CQP
  - c) Oct Sweepstakes
    - i) Game: N6TV re SS contacts
    - ii) Private Challenges
  - d) Nov
    - i) Sweepstakes
    - ii) ARRL DXpedition status
    - iii) 160/80m antennas for the winter
  - e) Dec Holiday Banquet
  - f) Jan. Voice keyers
  - g) Feb TR/CT/NA shootout
  - h) Mar Awards Banquet. 6Y4A contest report and video at this meeting (or earlier)
3. Increasing SS participation
  - a) Telephone tree
  - b) e-mails
  - c) awards: Keep existing KB awards as they are and ADD
    - i) New award, letter opener a la WRTC for 250 total QSO's, one or both modes
    - ii) New award, personalized mouse pad for 500 total QSO's, one or both modes (in addition to the letter opener)

4. By-law revisions. Board comments due to Ed, W0YK, within a week
5. How to get membership renewals. E-mail, then a post card sent about end of August.
6. K6ZM QSL manager and procedures
  - a) George K6GT, to be the QSL manager. He'll take care of printing and mailing cards.
  - b) Any operators using the club call must get logs to George. Policy is to QSL 100% in response to QSL's received.
  - c) Ken or other station addressee to forward incoming cards to George
7. Meeting procedures
  - a) Talk in on 2m: on 147.24, standard split, no tones
  - b) photos will be taken at meetings. George to do it in August as part of JUG expenses
  - c) Writeup of each meeting to appear in JUG
8. JUG articles
  - a) JUG on web site? Andy to contact N6NZ re doing this.
  - b) technical/contesting articles discussed
9. Next BOD meeting Sept 13 at AE6Y's house from 9 am to noon. Breakfast will be supplied. These meetings are open to any member; if you want to attend, please let me know. since I'm supplying food!

73, Andy, AE6Y

## THE TV GUIDE

Contest season is just about here! The NA Sprint, the California QSO Party, the Sweepstakes and CQ WW Contests are just around the corner. Are you ready? There's still time to put up that new antenna, track down that line noise, update the software, and overhaul the radio. Do it now!

Our main goal this year is to win back the coveted Sweepstakes gavel from the notorious East Coast powerhouse, PVRC. YCCC is also gunning for it, so we all need to pull together and make as many points as possible in Sweepstakes. Unlike other contests, where the NCCC club total is dominated by a big multi-multi and DXpedition scores, winning Sweepstakes requires almost all of our club members to get on and operate. "Little gun" stations making 100K each contribute just as much to the club total as one "big gun" station making 300K.

The bottom line is that we need as many entries as possible. Be part of the winning team: operate Sweepstakes! We'll be contacting each member by



telephone to see how you can help the club total. We'll also have special meetings this Fall where we'll go over operating techniques and band plans designed to help maximize your score. In addition, K6XX may update his valuable Sweepstakes handbook, a "must-have" reference that compiles tons of useful tricks and techniques. (Lots of the ideas are valuable for *every* contest! ... *ed*)

Many of you have not yet renewed membership (see mailing label on this Jug). The club really values your membership, and I believe that NCCC membership offers value to you. What other club sponsors California QSO Party, World Radiosport Team Championship, Contest Forums at Pacificon and Visalia? What other club has special ties to Ham Radio Outlet and Force 12 Antennas?

What other club has the experts that we have, on everything from antennas to software to world-class operating? What other club has dared to compare software, radios, even antennas, at club meetings?

Where else can you read about tips to help make contesting easier, such as the following CT usage tip.

Nowhere except the NCCC!

Rejoin now and be on the winning team in the 1997 ARRL Sweepstakes!

73, Bob, N6TV

## CT TIP

When using CT in a CW contest, many people find fault with K1EA's choice of selecting the "Insert" and "Plus" keys to send the exchange and the "TU" messages. Many people prefer TRlog just for that reason alone. On laptop computers, especially, "Insert" and "+" can be difficult to find.

However, CT 9 supports the DEFINEKEY command which allows you to remap keys to more convenient locations. I have experimented and come up with the following definitions that really seem to ease fatigue during CW contests (many thanks to K2KW for enlightening me).

To remap keystrokes, type DEFINEKEY in the callsign field and press Enter. Then press the key you want to use followed by the function you want to use.

So, to define the "period" as the "CQ" button:

1. DEFINEKEY (Enter)
2. Press the period (.) key
3. Press the F1 key

I have found it much less fatiguing to call CQ using the "." key than to reach up and press F1. I can keep my hands on the "home row" at all times.

I also redefine the comma to send a question mark, plus two other keys:

DEFINEKEY comma (,) F7 (F7 sends a question mark)

DEFINEKEY semi-colon (;) INsert

DEFINEKEY quote (') Plus (+)

That's it! This creates a file called KEYDEF.INI, which you can save and use with other logs. The old keys F1, "Insert" and "+" still work as before, but now you have easier ways to get to them:

Press the period to call CQ

Press the comma to send a question mark

Type callsign and press semi-colon to send call & exchange

Press the quote key to send "TU QRZ" and log the QSO.

Your hands never have to leave the home row! It is really much easier than using F1, F7, Insert, and +.

One warning: once you redefine the period key, you won't be able to use the period to enter your lat/long (with SETLAT command), so do SETLAT first, before redefining the keys, or add the following lines to your CT.CFG file:

LAT: 37.23  
LON: 121.76

Alt-period to toggle between Radio 1 and Radio 2 still works as before.

Try it and let me know what you think.

73, Bob, N6TV

## CONTEST CALENDAR

- Aug 2-3 NA QSO Party, CW
- Aug 11 NCCC Meeting, San Francisco
- Aug 13 IARU log deadline, send to [contest@arrl.org](mailto:contest@arrl.org)
- Aug 16-17 NA QSO Party, SSB
- Aug 31 '98 DX Convention mail-in hotel reservation deadline
- Sep 7 NA Sprint, CW
- Sep 14 NA Sprint, SSB



# CALENDAR (cont'd)

Oct 4-5 California QSO Party  
 Oct 25-26 CQ World-Wide Phone  
**Nov 1-2 ARRL Sweepstakes, CW**  
**Nov 15-16 ARRL Sweepstakes, Phone**  
 Nov 29-30 CQ World-Wide CW  
 Dec 5-7 ARRL 160 meter  
 Dec 13-14 ARRL 10 meter

## Contest Scores Received

(Send claimed scores to N6TV via packet, mail, or to  
 n6tv@vnet.ibm.com)

Many thanks to Al, NH7A, for boosting the NCCC club total in WPX to over 38 million points. Al also helped us out again in the ARRL contest, giving the club over 3 million points. Now, that's participation!

### IARU HF World Championship

K6XX S/O Mixed	824 x 119	351,764
N6TV S/O CW 6.3 hrs	491 x 77	131,593
K6GT S/O	425 x 71	105,009
K6BZ S/O SSB 8.5 Hrs	565 x 58	101,442
W6PLJ S/O	255 x 66	56,694
W6ISO S/O	147 x 38	18,354

### Field Day

W6ISO Class 2A	125 CW, 262 SSB	1,124
K6ZM Class 4D	242 CW, 444 SSB	791

### CQ VHF QSO Party

N6IFW S/O	57 x 67	1,474
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### ARRL VHF QSO Party

N6IFW S/O	158 x 48	9,648
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### ARRL 2m Sprint

N6IFW S/O	20 x 9	180
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### ARRL 432 MHz Sprint

N6IFW S/O	12 x 4	96
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### CQ WW WPX CW

K3EST(@ N6RO) M/M with an all NCCC crew	3136 x 848	7,540,000
WR6AAA(N6IG @ W6GO) S/O HP -- wow	2245 x 751	4,717,782
KO7Z(K6PU, opr.) S/O HP tribander/dipole	1133 x 572	1,431,144
N6TV S/O HP 10.4 hrs	839 x 392	1,035,664
AG7W(K6XX, opr.) S/O HP	448 x 233	438,273
K6GT(ex. AB6YL) S/O HP	460 x 314	347,912
WX6V(ex. W6PYX) S/O LP 28.3 hrs	420 x 304	307,648
K6UM(ex. WA8LLY) S/O LP Tribander, 5 hrs	126 x 117	30,303
W6RN(ex. KN6VO) S/O HP	104 x 98	26,068
<b>CW Total .....</b>		<b>15,874,794</b>

### CQ WW WPX SSB

NH7A S/O HP	3274 x 633	8,591,709
AE0M(@ N6RO) M/M	4107 x 872	8,186,336
VP5E(K6HNZ, opr.) S/O HP		2,410,200
W6RJ S/B 80m	908 x 390	1,028,040
K6BZ S/O HP		752,184
N6CCL S/O HP	792 x 382	396,134
AE6Y S/O LP Tribander/DP 22 h.	608 x 311	254,709
N1CS(ex. WA6YVS)		237,236
K6GT S/O HP Tribander/Vert	395 x 241	228,227
K6UM(ex. WA8LLY) S/O LP Tribander, 8 hrs	250 x 173	92,901
K6XX S/O HP	162 x 118	52,864
WX6V(ex. W6PYX) S/O LP 8 h.	167 x 123	43,665
W6BIP		15,750
N2ALE		600
<b>SSB Total .....</b>		<b>22,290,555</b>
<b>1997 NCCC WPX Grand Total ..</b>		<b>38,165,349</b>

### Other WPX Scores

NE6N(W6EEN) M/M	2303 x 671	3,389,892
Ops: W6EEN, K6XC, W6AW, KI7WX, W6ORD, AI6V, K2CX, N7UE		

### ARRL DX SSB

NH7A S/O HP	4025 x 255	3,079,125
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FIRST CLASS

# K6ZM FIELD DAY

Bob, N6TV, NCCC VP/CC, and Peggy Frazier, always gracious field day hostess, discussing FD strategy.



From right to left - Bob, KN6QT, Kris, KE6JNL, and Al, NH7A, in the background. Al is running a very important station at the K6ZM 4D event.

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