



MEETING:

DATE: Monday, February 12,
Red Morton Community Center
1120 Roosevelt Avenue
Redwood City
6:00 PM

INFO & DIRECTIONS INSIDE
and you can *always* check:
<http://www.nccc.cc/meetings.html>

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

<u>February Contests</u>	<u>Dates</u>
Vermont & New Hampshire QSO Parties	Feb 3 - 4
10-10 Int. Winter Contest, SSB	Feb 3 - 4
Minnesota QSO Party	Feb 3
Delaware QSO Party	Feb 3 - 5
YL-OM Contest, CW	Feb 3 - 5
North American Sprint, Phone	Feb 4
Asia-Pacific Sprint, CW	Feb 10
North American Sprint, CW	Feb 11
CQ/RJ WW RTTY WPX Contest	Feb 10 - 11
YL-OM Contest, SSB	Feb 10 - 12
ARRL International DX Contest, CW	Feb 17 - 18
CQ 160-Meter Contest, SSB	Feb 23 - 25
North Carolina QSO Party	Feb 24- 25
RSGB 7 MHz DX Contest, CW	Feb 24 - 25

NCCC OFFICERS

President ... Bob Wolbert, K6XX ... k6xx@arrl.net
 Vice President/CC
 Ken Keeler, N6RO.... kenkeeler@jazznut.com
 or n6ro@arrl.net
 Secretary/Treasurer
 Kit Kohlmoos, W6ISO... kmoos@pacbell.com
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 Rick Tavan, N6XI..... n6xi@arrl.net
 Kurt Andress, K7NV... k7nv@contesting.com
 ARRL CAC member: Jim Pratt, N6IG... n6ig@arrl.net
 JUG Editor: George Daughters, K6GT... k6gt@arrl.net
 WEBmaster: Ed Muns, W0YK... w0yk@arrl.net

<u>March Contests</u>	<u>Dates</u>
ARRL Inter. DX Contest, SSB	Mar 3 - 4
QCWA QSO Party	Mar 10 - 11
North American Sprint, RTTY	Mar 11
Wisconsin QSO Party	Mar 11 - 12
Alaska QSO Party	Mar 17 -18
Bermuda Contest	Mar 17 - 18
BARTG WW RTTY Contest	Mar 17 - 19
Russian DX Contest	Mar 17 -18
Virginia QSO Party	Mar 17 - 19
CQ WW WPX Contest, SSB	Mar 24 - 25

For a complete calendar, log submission details, and due dates for logs, visit:
<http://www.hornucopia.com/contestcal/index.htm>

ALL THAT JAZZ!

I was glad to see so much club participation in the recent NAQP tests. NCCC fielded four teams on CW and three on SSB. It was a first time for most of our SSB participants, but I think everyone realizes what a fun but challenging event this can be. NAQP gets more popular every time it's held. Record scores were posted this time on SSB, nearly 1600 Qs by the top single op (N6MJ), and over 2500 by the top multi-two (KH6ND). Our team scores are listed on the club website and the "scores" in this issue.

The other "NA" events are upon us the next two weekends. The Sprints are quite different from NAQP: only 4 hours long, 20/40/80m only, high power recommended, multipliers count only once, and the unique QSY rule (can't maintain a run frequency). Sprints are excellent agility and S&P drills and don't take much of your weekend time. Two radio capability is not as important in Sprint as in NAQP. N6TR wrote a great primer on how to do the Sprints; check it out at:

<http://www.jzap.com/n6tr/sprint.html>

Note the difference in the order that you should send exchange information when you are about to "gain" the frequency, as opposed to when you give it up (per the QSY rule).

NCCC placed third in the Sept. 2000 SSB team competition with a nine-man team led by HC8N's all-time record score. We were fourth with a full team on CW. Full results are on the NCJ website and in the Jan/Feb 2001 NCJ.

SSB Sprint runs on Saturday, Feb 3, 4-8 PM (local), CW the following Saturday, same time. The teams for Sprint consist of 10 members, not necessarily club members, nor even in our "territory" - similar to NAQP in some respects. We typically are hard-pressed to have a full SSB team, but usually have two CW teams. At this writing I don't yet have a full team for either mode. If you are not active on the club reflector, where I am coordinating the teams, email or call me direct if you would like to be on a team.

Full Sprint rules are in the Nov/Dec NCJ, page 42, and at: <http://www.ncjweb.com>

We'll have a mini SSB Sprint on Thursday, Feb 1, near 3830, after a net session at 9 PM. Configure your

software (TR, NA, Writelog, AE6Y) before that day and check it out in the mini.

Our major club competition event this spring, will be in the CQ WW WPX contest in March and May. Please make your plans to maximize club score. I will be asking for score estimates sometime in Feb. The club is not making a major effort in the ARRL DX contests, but do indicate NCCC on your entries for the north/south CA competition. Some of us are jumping on the River City Contesters' bandwagon in the small club competition. There's something going every weekend for the next two months, so enjoy and KB.

73, Ken, N6RO, VP/CC

DOUBLE CROSS

Contest Season, Part II

The second half of the 2000-2001 contest season is underway, and the bands are hot. From JA's on 160m at dawn to long path Middle Easterners and Europeans on 40m and 20m to great 10m openings past dusk, the bands are producing. Furthermore, the contest schedule is full; NAQP in January saw lots of first time NCCC team members producing four digit QSO totals in 10 hours at low power. The NA Sprints are this month... last year, NCCC won our first team championship—will we repeat? Later in the month is the ARRL DX CW, one of the year's biggest and most enjoyable events. Then there's March, highlighted by ARRL DX Phone and WPX Phone. I hope you're ready!

Our hard working VP/CC N6RO is coordinating our WPX victory effort. There is still time to schedule your own contestpedition to some exotic (or merely semi-exotic) locale—help Ken out by leaving town and adding megapoints to our team total.

February Meeting

Are PG&E rate increases affecting your decision about running the amp? Are rotating outages making you nervous about unscheduled off time during ARRL DX? Maybe you'd like to sell excess power to PG&E? Come to our February meeting and learn how to become independent of the power grid (or at least less-dependent upon it). N6EM has assembled a duo of emergency and alternative power experts that will discuss military-grade portable brushless generators that produce clean AC with little audible or RF noise, solar and wind power systems, and recent developments in fuel cell technology. (How about a

1kW silent generator in a manpack?) Bill Eldredge of Goodman-Ball and Scott Williams of Sunrise Technologies will be ably assisted by Jack, N6EM. Arrive between 6:00 and 6:30, pizza at 6:45, and program at 7:00. The meeting location appears elsewhere in this issue, and on our web site:

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

Help Wanted...

Wanted: volunteers to lead the world's finest amateur radio group. Experience not required (nor especially desired)—only a love of radio contesting. The NCCC year ends in mid-April, and we need a new set of club officers for 2001-2002. Your timing is perfect—the present board of directors has approved a 50% salary increase for next year's team (hi)! Please contact Ed Schuller, K6CTA (k6cta@arrl.net) and let him know you are very interested in NCCC's future success. We need you!

73 de Bob, K6XX

FCG Announces New Award

The Florida Contest Group is pleased to announce The FCG "WAC - Worked All Chads" Award.

To qualify for the "Worked All Chad" Award, Amateurs must have made 25 QSO's with Florida Contest Group members who were active during the 2001 CW North American QSO Party.

Only QSO's with the FCG members listed below, who were using the names "Chad", "Al", "Dubya", "Jeb", "Katherine", "Dick", or "George" can be counted for award credit. Stations may be counted for credit on each band worked (maximum of 6 times).

To apply for the award, send an NAQP log extract of qualifying FCG stations worked, to Jim White, K4OJ, 1508 West Patterson St, Tampa, FL, 33604. Please include \$1 to cover printing and postage costs.

Here is the list of teams and stations which can be counted for the "Worked All Chads" award:

K5KG - Chad
N4BP - Chad
K4LQ - Chad
WD4AHZ - Chad

"FCG #2 - Dubya and the Dimpled Chads"

K4OJ - Dubya (for George W. Bush.
"Dubya"
is Southern-speak for the letter "double-you")
N4RP - Chad
N4PK - Chad
K4XS - Chad
W4SAA @ N8PR - Chad

"FCG #3 - Jeb and the Swinging Chads"

NF4A - Jeb (for Jeb Bush, FL Governor and brother of "Dubya")
KN4Y - Chad
WØEBA - Chad
KB4N - Chad
N4KW - Chad

"FCG #4 - Katherine and the Lost Chads"

W1YL - Katherine (for Katherine Harris, FL Sec. of State)
W4ZW - Chad
N4AO - Chad
W4/YV5DTA - Chad
K4FB - Chad

"FCG #5 - Dick and the Asymmetrical Chads"

W3TMZ - Dick (for Dick Cheney, VP to "Dubya")
K9BG/4 - Chad
W4IR - Chad
W4SO - Chad
N4TO - Chad

"FCG #6 - George and the Clinging Chads"

W1CW - George (for George Bush, ex-President, father to "Dubya" and Jeb)
N4OX - Chad
AE4RO (op AE4SW) - Chad

Also active, but not on a Team

N4OO - Chad
NP4Z - Chad
W7QF - Chad

73, The Florida Contest Group

Kids' Day

"FCG #1 - Al and the Well-Hung Chads"

N2NL @ K1PT - Al (for Al Gore)

A Contester is Born?...



Here is my 11 year-old daughter, Lauren, operating during Kid's Day. She wound up making 55 QSO's. (Her goal was to beat last year's total of 50.) She seemed quite content to sit at one spot and run stations! A true contester!

Ed, K6CTA

February Meeting Details

Program : "Alternative/Emergency Power for the QRO Contest Station"

- Recent Developments in Fuel Cells
- Brushless Portable Diesel/Propane Generators
- Solar & Wind Power systems
- Reducing RFI and audible noise from generators

Learn how to become independent of the power grid (or at least less-dependent upon it). N6EM has assembled a duo of emergency/alternative power experts, Bill Eldredge of Goodman-Ball, and Scott Williams of Sunrise Technologies. Arrive before 6:30, have pizza at 6:45, and the program at 7:00PM.

Location: The Red Morton Community Center, 1120 Roosevelt Avenue, Redwood City. (The phone number is 650 780 7311).

From 280, exit at Woodside Road and head toward the Bay. Go 2.7 miles and turn left on Valota Street. Go 0.9 miles to the light at Roosevelt Avenue. Turn right on Roosevelt and go 0.3 miles. Turn left into the Red Morton Community Center.

From 101, exit at Woodside Road/Harbor Blvd/Seaport Blvd (hwy 84) and go toward the coast 1.7 miles to the light at Hudson Street. Turn right on Hudson and go 0.6 miles until you reach the stop sign

at Roosevelt Avenue. Turn left on Roosevelt, go 0.2 miles, and turn right into the Red Morton Community Center.

And now, April first in February?

(From the "Towertalk" reflector...ed)

In the small suburb of Hirsute Heights, bordering on Chicago, a zoning law appeal was granted after the applicant produced proof that the existence of an Amateur Radio antenna was, in fact, beneficial to many of the nearby residents. Willy Hunt produced a recently published study from the Medical School at Purdue University that a group of volunteers received an unexpected benefit of living near an Amateur Radio station. Some of the members of the group, which contained the normal distribution of bald, or near-bald men experienced a regrowth of hair. While not all of the subjects in the controlled study regrew hair, there were sufficient data to confirm that amateur radio signals did diminish hair loss, and in some cases, actually resumed the normal growth of hair on previously bald men. This exciting breakthrough bolstered the claims of practitioners who use 220 volt AC electrodes on the scalps of bald individuals in attempts to rejuvenate the long dormant hair follicles. (*DON'T try this at home!! Anyhow, it's not rf energy... ed.*) Purdue scientists recommend that more tests be done, and suggested that increasing the maximum legal transmitter output of amateur radio operators may increase the incidence and/or rate of hair regrowth.

Bill Orr, W6SAI

Last week, the key of Bill Orr, W6SAI, fell silent.

I don't remember ever working him in a contest, but I'm sure every ham in the world will recognize his name and call. He contributed so much to the technical side of amateur radio... the standard text for engineers, technicians, and radio amateurs, the "Radio Handbook" which covers theory and equipment design and construction... the "W6SAI HF Antenna Handbook"... many Eimac "Amateur Service Newsletters"... the "Interference Handbook"... the "Wire Antennas" and "Beam Antenna Handbook", the latter through 5 editions... and innumerable articles in the amateur periodicals.

But he wasn't just a writer of dry technical stuff. He was also a fine gentleman of the "old school." He seemed always to make time to help those who came to him with problems. I'd like to relate a personal experience that shows this.

I was working hard on a legal-limit linear amplifier, and I needed a capacitor I couldn't find anywhere, so I posted a request on the "Amps" reflector, a place where Bill lurked, but didn't publicly take part. I received a message from Bill the next day, offering the capacitor, if I'd come and pick it up.

"That's not a particularly big deal," you might say. Well, I'm not done yet.

When I went to his house to collect the capacitor, we got into a pretty involved discussion of the whole amplifier design philosophy. I felt very good that he approved of my approach to the design and construction of this tetrode power amplifier. (Although he probably wouldn't have criticized it in an unkind way, even if he'd hated it.) Then he asked "How will you test it for IMD?" I admitted that I didn't know. I had plans to submit an article to the ARRL for their consideration for publication, and they would probably request that I ship the amp to their lab to test it. That had happened once before, I told him.

He said, "I can help you out. I've got an old Navy spectrum analyzer. It's heavy, but it's good." He took me into his garage/shop and pointed out a large gray box. Actually, there were 3 gray boxes over there. I took the specific one he pointed to and loaded it into the trunk of my little Celica. When I returned to his

shop, he said "You know, you'd better take the other one, too, for spare parts, just in case you need it."

So I loaded the second box in the trunk. I had come for something the size of roll of quarters, and now my trunk was full!

When I returned to the shop, he asked "Do you have a two-tone generator? That's not really the optimum way to check IMD, but I have a very nice one with beautiful Wien bridge oscillators. You can have that too." It was the third gray box.

Now the passenger seat was full. Again, I returned to the garage, ready to thank him for all of his help, and he said, "Oh, and here are all of the manuals." They went on the floor of the front seat. (Later perusal of the manuals showed that the equipment had been modernized and improved, and Bill's documentation was thorough and, well... perfect!)

I finally got out my words of thanks, and told him I'd have it all back to him when I'd completed my measurements. That would be a while, though, because I was still building the amplifier.

"Oh, I don't want it back! If you're going to be making such measurements, you should have it whenever you need it. You keep it all! No charge."

"Well, how much for the capacitor?!"

"You can have that, too!"

Amazing!

I had lunch with Bill, George Badger (W6TC), and Jack Troster (W6ISQ) a couple of years ago. I was awed to be in such prestigious company. I don't know to this day whether Bill had told the other fellows how he'd gotten me to help clean out his garage!

I'm sure that those of you who knew him have your own stories that will help to keep his kindness and generosity fresh in your memory.

73, Bill. Although I can't hope to accomplish as much as you did in helping our fellow amateurs, I'll keep your Elmering spirit as an ideal worthy of emulation.

de K6GT

Scores:

2000 RAC

Call	Class	QSO's	Mults	Score
N6RO	SOHPABUA	1131	102	834,360
KA6BIM	SOHPABUA	629	90	432,540
K6SRZ	SOLPABUA	125	38	47,196
NT6K	SOLP10UA	207	21	24,864
K6III	SOHPABUA	71	29	19,430
W6ISO	SOLPABUA	39	16	5,856
Total				1,364,246

2000 Stew Perry Topband Challenge

Call	Class	QSO's	Score
N6RO	SOHPUA	325	1,824
W6EU	SOHPUA	211	910
N6ZFO	SOHPUA	119	460
K7NV	SOHPUA	85	235
Total			3,429

2001 North American QSO Party CW (January)

Call	Class	QSO's	Mults	Score	Team #1	T#2	T#3	T#4
N6RO	SOABLP	1033	248	256,184	256,184			
K7BV (@K5RC)	SOABLP	869	250	217,250	217,250			
ZF2NT (N6NT)	SOABLP	834	227	189,318		189,318		
K6AW (@W6NL)	SOABLP	756	248	187,488	187,488			
K7NV	SOABLP	766	229	175,414	175,414			
W6EU	SOABLP	741	224	165,984		165,984		
W6OAT	SOABLP	811	200	162,200				162,200
K6CTA	SOABLP	823	197	162,131	162,131			
AB6WM	SOABLP	645	195	125,775		125,775		
K6ZM w ops. (KD6RMN, K6WG)	M2ABSP	628	200	125,600				
AD6E	SOABLP	635	197	125,095			125,095	
N6ZFO	SOABLP	617	187	115,379		115,379		
K6III	SOABLP	460	184	84,640			84,640	
WA6O	SOABLP	513	147	75,411			75,411	
VY1JA	SOABLP	432	136	58,752		58,752		
N6EE	SOABLP	411	135	55,485				
K6TA	SOABLP	339	138	46,782				
AK6L	SOABLP	236	117	27,612				27,612
W6ISO	SOABLP	178	100	17,800				
W4NJK	SOABLP	136	82	11,152				11,152
K6XX	SOABLP	103	52	5,356				
Total				2,390,808	998,467	655,208	285,146	200,964

2001 North American QSO Party Phone (January)

Call	Class	QSO's	Mults	Score	Team #1	Team #2	Team #3
K7BV (@K5RC)	SOABLP	1062	263	279,306	279,306		
K6ZM w ops (KD6RMN, K6WG)	M2ABSP	976	217	211,792			
AE6Y	SOABLP	891	229	204,039	204,039		
WA6O (@N6RO)	SOABLP	777	210	163,170	163,170		
N6ZFO	SOABLP	762	197	150,114	150,114		
W6ISO	SOABLP	546	177	96,642		96,642	
K6SRZ	SOABLP	617	133	82,061		82,061	
K6III	SOABLP	466	151	70,366		70,366	
W1SRD	SOABLP	479	140	67,060		67,060	
VY1JA	SOABLP	420	129	54,180	54,180		
AK6L	SOABLP	294	103	30,282			30,282
K6CTA	SOABLP	243	105	25,515			25,515
K6EP	SOABLP	17	11	187			187
Total				1,434,714	850,809	316,129	55,984

2001 JA International DX LF CW

Call	Class	QSO's	Multipliers	Score
N6RO	SOABLP	498	106	86,390
K6XX	SO40mLP	288	46	13,248
K6III	SO40mQRP	24	20	480
Total				100,118

2001 CQ 160 CW Contest

Callsign	Class	QSOs	States	Countries	Score
N6RO	SOHP	724	54	21	172,950
K7NV	SOHP	433	53	11	73,792
N6ZFO	SOHP	268	43	6	31,703
K6III	SOLP	78	19	?	1,558
Total					280,003

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(800) 854-8046

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(800) 854-8046

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510 Lawrence Exp. #102
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