

The Contest JUG



NEWSLETTER OF THE
NORTHERN CALIFORNIA CONTEST CLUB
44 TOYON TERRACE
DANVILLE, CA 94526
FEBRUARY 1987

NO. 176

PRESIDENT: WR6R, AL	AWARDS: K6ZM, PHIL
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MEMBERSHIP: W6REC, DUANE	W6REC, DUANE, KA6ING, LOUSEE
	PHIL, K6ZM

NCCC REPEATER, W6RGG, 147.24 MHz - NET EVERY WED 8 : 00 PM

ARRL AND WPX CONTESTS

COMING EVENTS

FEBRUARY 20-22 CQWW 160 M SSB CONTEST
FEBRUARY 21-22 ARRL DX CW CONTEST
FEBRUARY 23 NCCC MEETING IN HAYWARD
MARCH 7-8 ARRL DX PHONE
MARCH 23 NCCC MEETING IN HAYWARD
MARCH 28-29 CQWPX SSB CONTEST
APRIL 3-5 VISALIA DX CONVENTION
APRIL 18 NCCC AWARDS AND ELECTIONS MEETING

FROM THE PREZ DE WR6R

This month's JUG reflects what the membership has been doing-
CONTESTING! It's great to see all those calls and know people have been
active and having fun.

The next couple of months have plenty of contests, and to help keep track
of all of them, a NCCC calendar, thanks to Chuck, W7MAP, is included to put
in your shack so you have no excuse to forget when to get on.

Around the corner, at the April meeting, Election of officers will occur.

If your interested in running, contact anyone on the Board to make sure your nomination appears in the JUG. The Board has the responsibility to encourage members to run for office, it does not however, handpick officers and exclude or discourage others.

Old timers complain that the NCCC isn't like it was in the beginning. Maybe that's because faces change and old timers don't take the time to meet the newcomers. So at the next meeting, let's all take the time to say hello , and spread your "secrets" with all of us!

The February meeting will feature a slide presentation by Phil, K6ZM, visting 9N1MM. Also, tall tales will be told about ARRL DX CW . Be there!

QSL MANAGER WANTED

Rick , N6KT, is in need of a QSL manager to handle his QSL chores for his various overseas operations. He is seeking someone with only 4 digits in their call (so he can say it fast and not slow the rate). Contact Rich via the Roster.

QST DE W1AW (TKS WA6AHF)

CALL SIGN ASSIGNMENTS

Acting in response to requests of ARRL and three others, FCC has issued a request for comments on a proposal inquiring if call signs could be issued by the private sector.

FCC would only issue one 2H3 callsign for each licensee, regardless of license class. This would be from the prefix block NA through NZ. FCC would then discontinue procesing requests for any call sign changes. All other call signs would then be available to a special call sign coordinatior or SCSC who could assign one or more supplemental call signs at the request of the licensee. A special call sign could be used in lieu of the FCC assigned call sign during ID required by 97.84.

An SCSC would be operated on a not for profit basis but would be allowed to recover administrative costs. The preliminary view of the FCC is that having one SCSC would be a more effective system in preventing the same call sign from being assigned to different stations and avoiding inconsistencies of assignment. Further, a single

SCSC would minimize the number of points of contact between the SCSC and the FCC, thus holding the administrative burden upon the FCC in check.

Written comments on this proposal, numbered PRB 3, are due on or before April 23, 1987, with reply comments filed on or before May 22, 1987.

EXPANDED NOVICE PRIVILEGES

Effective 0001 UTC March 21, 1987, Novice enhancement becomes effective in PR Docket 86 161. Specific rules changes are:

1. Novices and Technicians may operate 28.1 through 28.5 MHz, using CW and digital modes from 28.1 to 28.3 and CW and voice modes from 28.3 to 28.5 MHz. Novice and technicians control operators are limited to 200 watts output in this band, but other licensees are not similarly limited.
2. Novices may use up to 25 watts in the 222.10 through 223.91 MHz band, with all authorized emissions.
3. Novices may use up to 5 watts in the 1270 through 1295 MHz band, with all authorized emissions.
4. No amateur station at which the control operator or station licensee holds a Novice class operator license shall be in repeater, auxiliary, or beacon operation.
5. Two examiners will be required to administer future Novice exams, which shall consist of 30 questions. FCC form 610 will be revised to provide for certification by two UES.
6. Present Novice and Technician Licensees are grandfathered into the new privileges.
7. Element 3 is divided into two parts, 3A and 3B, with each examination to consist of 25 questions. Present Technicians licensees will be given credit for having passed both elements. In the future, upgrades to technician will only have to pass element 3A and future Technicians upgrading to General will have to pass both elements 1B, 13 WPM, and Element 3B.

17 METER BAND STILL CLOSED

The FCC has dismissed the ARRL Petition to release the 17 meter band, 18.068 through 18.168 MHz to US Amateurs. This band was allocated to radio amateurs worldwide at the 1979 WARC Conference, and about 65 countries are currently allowing their Radio Amateurs to operate there.

In the U.S., amateur occupancy of the band is contingent upon the relocation of U.S. Government fixed operations. FCC said that agencies within the U.S. Government had informed them that the band will be required for their operations through July 1, 1989. However, FCC said it would continue to monitor the Government usage of the 17 meter band, and it may be possible to provide for amateur sharing of the band with government operations prior to the July 1, 1989 date.

220 MHZ

On February 12, the FCC released a Notice of Proposed rule making, general docket 87 14, that proposes to allocate 220 to 222 MHz on an exclusive basis to the land mobile service and 222 to 225 MHz exclusively to the amateur service.

According to the FCC, the 220 to 225 MHz Band is underutilized, and that the land mobile service has needs that can be met in this region of the spectrum. Therefore, the commission is proposing that the lower 2 megahertz, 220 to 222 MHz, be reallocated on a primary basis to the land mobile service for both government and nongovernment operations and the existing primary allocations to the amateur, fixed and mobile services be deleted.

Accordingly, the FCC proposes to allocate the remaining 3 megahertz, 222 to 225, to the amateur radio service on a primary basis. Comments on this proposal may be filed with the FCC on or before April 6, 1987.

WM4T WINS TOWER CASE

John Thernes, WM4T, has won his longstanding tower suit against the City of Lakeside Park, Kentucky. The City's zoning regulations had, in effect, excluded all antenna towers.

Last year, after the Federal District Court had ruled against him and upheld the Municipal ordinance, Thernes took his case to the Federal Appeals Court. There, relying on PRB 1, the Appeals Court vacated the District Court judgment and sent the case back down to the District Court for reconsideration. The City continued to refuse to settle to Thernes satisfaction, and Thernes was prepared to continue his fight in Federal Court.

On February 12, 1987, the City agreed to sign a full consent judgement that provides for a 65 foot tower and an 8 foot mast, for a total of 73 feet. See the ARRL Letter and QST for further details.

NCCC AWARD BANQUET

April 18, 1987

Pleasanton Hotel, 855 Main Street, Pleasanton

5:30-6:30 Cocktails

6:30 - Dinner

Entrees : London Broil, Cabernet Sauvignon Sauce ; Breast of Chicken with Mushrooms and Champagne Sauce - \$ 17.00

The Pleasanton Hotel, built in 1851, is the site of the 1987 Awards and Election of Officers Banquet. There will be lots of plaques and certificates awarded so plan to attend. Although the \$17.00 cost may seem high, the food and setting is first class.

As with all the meetings in Hayward, or elsewhere, if you must smoke, please do it outside the meeting area as the NCCC has a no smoking rule for all meetings.

NEW MEMBERS

Howard Brainen, WZ6Z, 11110 Monan Street, Oakland, CA 94605, 562-1716
Howard(ex. WB6NRO) is a contester from the old days of W6VSS, K6SEN,
and W6RW of the 60's. Recently he operated with the group at KP2N during
86 CQWW CW. He has re-discovered contesting and has plans to set up a
big station in the Oakland Hills. Howard also likes to fly airplanes and
visit Hams around the country using that mode of transportation.

Allen Levin, N6NOY, 12481 Saratoga Creek, Saratoga, CA 95070

Allen has just been licensed since June of last year and wants to get into
this thing called contesting! He just started a new job, so contesting time
may be limited, but he has the desire to see what this great aspect of
Amateur Radio is all about.

Welcome to both new members and please do not hesitate to call on the
NCCC for any help or assistance.

38 TH ANNUAL DX CONVENTION

The 1987 38th annual International DX Convention will be held April 3-5
at the Grosvenor Hotel (formerly the Holiday Inn) in Visalia.

Pre-registration is \$40.00 and must be postmarked no later than March 8,
1987 . All subsequent registrations will be \$ 45.00. May checks payable
to **DX CONVENTION 1987**.

Topping the list of prizes this year will be a Kenwood TS-940S w/tuner as
the Grand Prize, a TS 440S pre-registration prize, and a yet to be
determined registration prize to be given away at the Breakfast Brunch.
Many more prizes will be given throughout the scheduled activities.

There will be a Contest Forum as well as numerous Contesters from all
over the world, so be there!

Scheduled speakers will be ex-Pres. of the NCCC Jim Niger, N6TJ and his
JY7Z team, as well as our own Loyd and Iris to present their YASME Indian

Ocean trip (maybe even some shots of Iris hanging out at her 457 hospital where she was recovering from a broken hip).

Tentatively scheduled are Baldur, DJ6SI, Ron, ZL1AM0, and Chuck, KC7UU to be present and give sometype of presentation.(These guys are all 40 WPM + CW, let's hope they use a mike for us slow pokes!).

Registration and information should go to our own Jim Hicks, KK6X, 2260 Santa Fe Drive, Santa Rosa, CA 95405.

1986 IARU CLUB MEMBERS SCORES

WE6G - 11,160- MIXED
K6CSL- 7,967- CW
KI6EZ- 28, 208- PHONE

K6LRN- 52, 735-CW
WA0JRB/0 - 14,196- CW
WC6I- 47, 647- CW

1986 ARRL SWEEPSTAKES MEMBERS SCORES

CALL	SCORE	OPERATOR(S)	MODE
N6BT	160,728	WA6VEF	CW
N6RO	152,292	N6RO	CW
W6OSP	113,150	W6OSP	CW
W6BIP	100,048	W6BIP	CW
AD6E	72,432	AD6E	CW
N6EK (LOW POWER)	65,416	N6EK	CW
AJ6V	41,860	AJ6V	CW
K6KM (LOW POWER)	36,680	K6KM	CW
K6CSL (LOW POWER)	31,752	K6CSL	CW
K6ZM	28,339	K6ZM	CW
W6REC	24,339	W6REC	CW
WE6G	20,296	WE6G	CW
TOTAL	847, 431		

CALL MODE	SCORE	OPERATOR (S)	
N6BT	233,248	WA6VEF	PH
W6BIP	86,478	W6BIP, WA6PYN	PH
KI6CG	76,796	KI6CG	PH
WE6G	65,964	WE6G	PH
WR6R (LOW POWER)	63,376	WR6R	PH
W6REC	46,512	W6REC	PH
N6EK (LOW POWER)	35,224	N6EK	PH
TOTAL	607,598		
CLUB TOTAL :	1, 455, 029		

1987 SPRING SPRINT SCORES

CW

CALL	QSOS	MULT	SCORE
WA6VEF	307	39	11, 973
N6TU	285	31	11, 400
N6IG	262	39	10, 218
AJ6V	267	38	10, 146
N6XI	259	34	8, 806
N1EE	261	34	8, 874
N7NG	249	32	7, 968
W6RGG	206	31	6, 386
W6OAT	218	40	8, 720
KA6W	199	34	6, 766
AD6E	185	30	5, 550
K4TKM	157	34	5, 338
K6LRN	170	31	5, 270
W6REC	158	32	5, 056
K6XO	149	30	4,470
K6CSL	49	19	931
W6NV	175	?	?
N6AUV	73	?	?
W7MAP	36	?	?

These are raw copies, next month's JLG will have final tallies. Many thanks to Duane, W6REC, who helped coordinate the affair. Please send a copy of your summary sheet to Duane. Final summary and logs go to Rusty, W6OAT, for CW, Rich, K7GM, for Phone.

FEBRUARY BOARD MINUTES

The NCCC BOARD meeting was called to order at the Lucky Star Restaurant in Hayward at 6:30 PM. Present were WR6R, K6ZM, KA6ING, W6REC, W7MAP, and WA6VEF. Minutes were taken by WR6R.

K6ZM volunteered to coordinate the February program- it will be either W6TC on balloons, or Phil's slides of 9N1.

W7MAP made the motion to have the Awards banquet at the Pleasanton Hotel April 18. Motion seconded by WR6R. Motion carried unanimously.

WR6R suggested a May or June picnic - WA6VEF will report on the matter at the next BOD.

Visalia was discussed by WR6R, a room will be secured for the NCCC Saturday Night Hospitality Get Together.

WA6VEF indicated the NCCC was asked to chair the contest forum- Gary indicated he would contact various well known contesters and report the status of our chairing the Forum at the next BOD.

K6ZM will report at the next meeting as to NCCC sponsoring A Worked All California Counties Award.

WA6VEF volunteered to help coordinate matters with the new, and yet undetermined, CQP Chairperson.

W6REC announced that Radio Clubs in Northern California had been contacted by mail concerning information about the NCCC and how to join the club.

W6REC, K6ZM, and KA6ING, expressed their interest on being on the BOARD for the next term.

Next BOD will be 2/26/87 at the Lucky Star Restaurant in Hayward due to some members not being able to be present in March.
Meeting adjourned at 9:00 PM by WR6R.

The DX Bulletin

SPECIAL REPORT

• America's Oldest Weekly Amateur Radio Publication •

Chod Harris VP2ML Editor

Don Reibhoff K7ZZ

The DX and contest world lost a giant last month, when Don Reibhoff K7ZZ was killed at the wheel of his Porsche in an automobile accident in Spain. Anyone who sat in front of a radio during the past 15 years heard, and probably worked, Don from a variety of locations around the world. Don's ability to put out a whopping signal, and rapid-fire operating skills put him in thousands of logs. He will be sorely missed.

Don first came to the attention of the DX world in the late 1960s from Southeast Asia. As HS3DR, Don handed out thousands of Thailand contacts. The radio bug bit hard, and Don began a beacon from that part of the world over the next several years. As one of the main operators of Chester's XV5AC callsign from downtown Saigon (at the height of the Vietnam War), Don made over 50,000 QSOs from that embattled location.

During frequent trips to Cambodia (now Kampuchea), Don was instrumental in getting that country back on the amateur bands. He made more than 25,000 more contacts as XU1DX during the early 1970s.

First Documented Operation from Spratly - 1S

Then in early 1973 Don and several other amateurs mounted a major DXpedition to nearby Spratly Island. The only previous operation from this "country" was by the notorious Don Miller W9WNV. Although Miller's operation was accepted by the ARRL's DXCC desk as a New One, with Miller's reputation, we may never know if he actually went to Spratly. But there is no question that Don Reibhoff went there, as he ran his Super-8 movie camera the whole time! K7ZZ thus gets credit for the first documented operation from 1S, and perhaps the first real operation from there as well, as 1S1A.

Radio Portugal

Don's Southeast Asia exploits were enough to earn him a permanent spot in the hearts of DXers everywhere, but were only the start of his long DX career. In the late 1970s, Don set up a station high above the Atlantic on the coast of Portugal. As CT4AT, Don entered and won most major contests. He constructed a full-sized 40 meter quad that set new records on the band, and his 20 meter signal was a class above anything else out of Europe.

A short tale may best illustrate Don's prowess at producing one of the best signals on the band: In multi-single contest operations out of New England, this writer would leave strict instructions with the all-night, low-band operators to wake me up at the first sign of Europe on 20 meters, so that I wouldn't miss the multiplier-rich morning opening. Early one Saturday morning, the 80-meter op came hammering at the door, "Europe is coming through!" I sleepily asked, "What do you hear?" The other op answered, "CT4AT is 20 over 9!" "Forget it," I responded, "Wake me up in another hour." Sure enough, about one hour later, other European stations began to come up from the noise.

CT4AT opened the band a good hour before any other station came through, and stayed in more than a hour after every other station had faded into the noise.

Don had operating skills to match his station-constructing expertise. He could knock off QSOs at over 300 an hour, hour after hour. He could hear through noise and QRM, and seldom needed a repeat. This combination meant that Don worked well down through the layers of stations calling, to real beginner DXers.

• TDXB February 1987

Perhaps another episode can illustrate this: Don set out to make a new record on 40 SSB from CT4AT. His signal hammered into the US, but many stateside stations simply didn't know how to master the art of working split on 40 SSB. As the night wore on and contacts became few and far between, Don enlisted this author to round up some more QSOs. I combed the Stateside 40 meter band, breaking into every contact and asking if the hams wanted to work Portugal. I guaranteed a QSO, if they would QSY to my transmitting frequency. Meanwhile Don rounded up a bunch of Europeans from below 7100 for me to work.

Then we'd meet on our respective frequencies, and run the small pileups we'd gathered. Don was even willing to wait for a station to spin the dial down to his transmit frequency for the report, and QSY back to the US phone part of the band for the answer. In this way Don put the first CT, and probably the first Europe, QSO in hundreds of logs. And yes, he set a new world's record. [and despite Don's help, I lost! -ed.]

Thanks to this and similar activities throughout the contest season, Don became known as Radio Portugal for his superior signal and consistent operating.

Conventions and DX Gatherings

In addition to being a fine operator of well-constructed stations, Don was an excellent and entertaining speaker at DX functions across the country. Don carried a Super-8 movie camera throughout Southeast Asia, even as he was being evacuated from the area by one of the last helicopters. Through his films, slides, and banter, Don could draw his audiences into the excitement and thrill of his activities. Don's talks were always memorable, a true DX experience for old-timer and newcomer alike.

Don also had a flair for off-beat publicity. At the dead of winter near the peak of the Vietnam War, then-President Nixon ordered the heat in all government buildings to be no more than 68°, to conserve energy. Don circulated a photo of himself at his high-power operating position in Saigon, surrounded by three huge air conditioners all going full blast. Don was holding a copy of Nixon's degree, and a thermometer that read 74°. Don's caption read, "Trying hard to get it down to 68!"

Other DXers and contesters will remember some of Don's photos from Portugal, usually including hundreds of empty bottles of Portuguese wine, and a very attractive, scantily clad female. Some of these photos would not be reproducible in a family publication, but gave an insight into Don's spirit and love of life.

"What do you do?"

At the New England Division convention some years back, a member of the audience asked Don, "Mr. Reibhoff, sir, what do you do?" Once Don recovered from being addressed as "sir", he answered, "Why, I contest!" with the accent on the last syllable. Don's nominal job was as a teletype repairman for the Department of State. Those who knew him always marvelled at the ability of this lowly repairman to command the resources of platoons of marines and tons of equipment!

His State Department career included assignments in Bagdad, Iraq, and Prague, Czechoslovakia, as well as Southeast Asia and Portugal. He was a fluent linguist, and mastered the local language as he did radio operating.

Don Reibhoff was been a major force in the world of DX and contesting for more than 15 years. His powerful signal, superb operating skills, and friendly and helpful attitude will long be remembered by DXers everywhere.

The DX Bulletin

SPECIAL REPORT

• America's Oldest Weekly Amateur Radio Publication •

Chod Harris VP2ML Editor

The Super DX Edge

A The DX Bulletin Review
by Chod Harris VP2ML

Xantek Inc. has improved their popular computer program The DX Edge, by adding Maximum Usable Frequencies (MUFs) and Great Circle Bearings to the existing sunrise, sunset, and grayline information. The result places a comprehensive combination of real-time DX information at the DXer's fingertips. (The DX Bulletin has already reviewed The DX Edge; this review will cover only the new features of the program: MUF and great circle bearings.)

Determining Maximum Usable Frequencies

The new MUF and great circle options show up on the program's main menu, and are accessed with a single keystroke. Then the program prompts you for the locations of the two stations (yours and the DX station, for example), as well as the calendar date and sunspot number or solar flux.

After you enter the date and SSN or flux, the program calculates and displays the MUF hour by hour (see photo.)

The DX Bulletin found the MUF feature straightforward and easy to use. A world atlas helps in pinpointing the two station locations, but once that information is entered in any part of the program, it can be reused in the other parts, such as great circle bearing and grayline calculations.

Super DX Edge uses MINIMUMUF, an MUF program published in Dec. 1982 QST. The MUF predictions tend to be on the high side, but quite accurate for the DXer with a well-equipped station. The DX Bulletin compared Super DX Edge's MUF predictions on several long-haul, east-west paths against actual reports; the program accurately identified each band opening. With a little experience, the active DXer can 'fudge' or adjust the SSN or flux figure to more accurately reflect his own station's capabilities.

Using the MUF Information

DXers can use this program to suggest schedules or to look for particular stations. Contesters can use the program to search for band openings, while DXpeditioners can identify the best times to work various parts of the world.

The DX Bulletin also played sunspot god, by watching what happened to MUFs along a particular path as the solar flux increased. An increase in flux from 66 to 80 was enough to bump the MUF from 20 meters to 15 on a W6-VP2M path, for example.

Great Circle Bearings

Another addition to the program is Great Circle Bearing calculations. You provide location information as above, and Super DX Edge determines and displays direct and long-path bearings, and great circle distances.

The DX Bulletin found the Super DX Edge an accurate and useful tool for the DX shack. We can, however, suggest some possible improvements for future editions: The MUF display would be easier to interpret in a graphic form, such as QST's prop charts. And the MIMIMUMUF program does not take absorption into account, nor is it accurate for long north-south paths (such as the optimistic data in the photo.) But my Super DX Edge disc will never be far from the disc drive. The copy-protected Super DX Edge is available from P.O. Box 834, Madison Square Station, New York, NY 10159 for \$34.95. DX Edge owners can upgrade their old discs for \$10 less.

MUF RESULTS

DATE: FEB 15
TRANSMITTER: (LOCATION 1-W6)
LATITUDE: 38N LONGITUDE: 122W
RECEIVER: (LOCATION 2-UNIQUE)
LATITUDE: 68S LONGITUDE: 98W
SUNSPOT NUMBER: 1.41

HOUR	MUF (MHZ)	HOUR	MUF (MHZ)
0	23.9	12	12.7
1	23	13	12.2
2	21.9	14	16
3	20.4	15	21.3
4	18.1	16	23.7
5	16.2	17	24.3
6	14.8	18	24.8
7	13.6	19	25.1
8	12.6	20	25.2
9	11.8	21	25.1
10	11.1	22	24.9
11	10.3	23	24.5

←PRESS ← FOR MENU (PRESS ANY TO REPEAT)

The Super DX Edge predicts MUFs from California to Peter I Island on Feb. 15.

US	A	AA	AB	AC	AD	AE	AF
	AG	AH	AI	AJ	AK	AL	A
K	K	KA	KB	KC	KD	KE	KF
	KG	KH	KI	KJ	KK	KL	KM
	KN	KO	KP	KQ	KR	KS	KT
	KU	KV	KW	KX	KY	KZ	K
N	N	NA	NB	NC	ND	NE	NF
	NG	NH	NI	NJ	NK	NL	NM
	NN	NO	NP	NQ	NR	NS	NT
	NU	NV	NW	NX	NY	NZ	N
W	W	WA	WB	WC	WD	WE	WF
	WG	WH	WI	WJ	WK	WL	WM
	WN	WO	WP	WQ	WR	WS	WT
	WU	WV	WW	WX	WY	WZ	W
A	A	AN	AP	A		BV	BY
C	C	CE	CM	CN	CO	CP	CS
	CT	C	C	C	C	C	
D	D	DA	DF	DH	DJ	DK	DL
	DU	D	D	D	D		
E	EA	EC	ED	EE	EF	EG	EI
	EJ	EK	EL	E	E	E	E
F	F	FB	FC	FG	FH	FK	FL
	FM	FO	FP	FR	FS	FT	F
G	G	GB	GC	GD	GI	GJ	GM
	GU	GW	G	G	G	G	
H	H	HA	HB	HC	HD	HG	HH
	HI	HK	HL	HM	HP	HR	
	HV	HZ	H	H	H	H	
I	I	IB	IC	IK	IN	IO	IP
	IS	IT	IV	IX	I	I	I
J	J	JA	JD	JE	JF	JG	JH
	JI	JJ	JK	JL	JM	JN	JO
	JP	JR	JS	JT	JW	JX	J
L	L	LA	LB	LG	LU	LX	LZ
M	M	M	M				
O	OA	OB	OD	OE	OF	OG	OH
	OJ	OK	OL	ON	OX	OY	OZ
P	P	PA	PI	PJ	PP	PR	PS
	PT	PU	P	PY	PZ	P	
S	S	SK	SL	SM	SP	S	S
T	T	TA	TF	TG	TI	TJ	T
U	U	UA	UB	UC	UD	UF	UG
	UH	UI	UJ	UK	UL	UM	UN
	UO	UP	UQ	UR	UT	UV	UW
	UY	UZ	U	U	U		
	R	RA	RB	RC	RD	RF	RG
	RH	RI	RJ	RK	RL	RM	RN
	RO	RP	RQ	RR	RT	R	R
V	V	V	V	VE	VK	VO	VP
	VR	VS	VU	VY	V	V	V
X	X	XE	XF	X	X	X	
Y	Y2	Y3	Y4	Y5	Y6	Y7	Y8
	YA	YB	YC	YI	YJ	YK	YN
	YO	Y	YS	YT	YU	YV	Y
Z	ZA	ZB	ZF	ZK	ZL	ZM	ZP
	ZS	ZV	ZW	ZX	ZY	ZZ	Z

#	1	2	3	4	4X	4Z	5
	6	7		8		9	

ARRL Contest Advisory Committee Report
de Gary Caldwell, WA6VEF

Good news! As a result of a petition that was passed around at the NCCC Hospitality Suite at the Visalia DX Convention last year, the ARRL's Contest Advisory Committee (CAC) has voted unanimously to recommend to the League that all-time records be published for each major contest, either in the announcements for each contest or once a year.

This was just one of the recommendations submitted by the CAC in a January 7, 1987, letter to the ARRL Awards Committee. The CAC, for those of you who may not be familiar with it, consists of 16 active contesters who, as a group, advise the Awards Committee, as well as the ARRL Board of Directors, on matters relating to League-sponsored contests.

Among the other items sent to the Awards Committee for consideration were:

Club Competition--a) the three-tier club competition system should be retained; b) the meeting attendance requirement should apply to all club members regardless of their distance from the club's center; c) attendance requirements should be changed from 50% to two meetings per year; and d) membership limits should apply to local club entries.

Operating Frequencies--the CAC is opposed to mandated "off-limits" frequencies in contests (Note: the prohibition on operating on 146.52 MHz in VHF contests was not specifically debated on this ballot item).

DX Competition--a) the "world-works-world" format should not be tried again; and b) the CW DX contest weekend should be moved at least one weekend earlier, to better separate the two modes; and c) VY1 and VE8 should be classified as separate multipliers.

Sweepstakes--a) VY1 and VE8 should not be considered as separate multipliers ("Thank God!"); and b) a QRP category should be established.

VHF/UHF Contests--a) the VHF SS should not return to the practice of counting multipliers once regardless of band, nor shall they be spotted 25 grid squares (as per a pre-1985 rule); b) grid squares should be retained for all existing VHF/UHF contests; and c) reversing an earlier CAC recommendation, the "no-telephone" rule should be eliminated from VHF/UHF contests (but retained for all HF tests).

Miscellaneous--The CAC voted against: a) permitting single-ops to use spotting nets; b) creation of a "Seniors" category; c) replacing RST with serial numbers in contest exchanges; and d) shorter time limits for single-ops in 48 hour contests.

As the CAC rep for the Pacific Division I'm always interested in your comments and suggestions regarding ARRL contests. Feel free to write or talk to me--my address and phone number are in the NCCC roster.

By the way, new topics under consideration by the Committee include the establishment of a meteor scatter contest; clarification of entry classification with respect to stations who use packet radio spotting nets; recommended operating frequencies in the 160 Meter contest; and ARRL participation in the "Contest Hall of Fame," presently sponsored by CQ Magazine and the ISRA. In addition, mail is trickling in to the Committee regarding a rule change that would allow Sweepstakes participants to contact stations on all bands, not just one.

FROM THE VPCC

WHAT WILL IT TAKE TO WIN C.Q.W.W. WPX?

To decide whether or not to "Go For It" in WPX, we must first look at the previous winning club scores. The world club record was run up in '84 by the North Texas Contest Club with 53,012,561. In 1985 NCCC won the VE1VR Trophy with 38,647,861. The 1986 NCCC entry was at least 42 meg. The ambiguity in the final score is due to missing summary sheets at the VPCC for the club entry deadline. The known calls that were active for the contest and their approximate scores we included in the club entry, but I do not know if they will be picked up by the contest coordinator. If we review the above scores (lower spots not withstanding) and make the assumption that 45 Meg will win the contest; how do we get there from here?

ASSUMPTION #1

45 MILLION POINTS WINS

Because of the makeup of the contest club, the distribution of points will be about 3:1 in favor of Phone vs. CW. This means that the club must do 33.75 Million on Phone and 11.25 Million on CW.

ASSUMPTION #2

33.75 MILLION ON PHONE

11.25 MILLION ON CW

How do we get to 45 Million points in WPX? For any regression analysis you should assume several cases: for instance; Case #1 assumes DX peditions and Case #2 assumes no DX peditions but with more emphasis on Multi Multi or Multi Singles. For the purpose of this article, I'll assume the most conservative approach, that is one with no DX peditions.

PHONE (33.75 MEG)

1 Multi Multi	4.5 Meg	
3 Multi Singles	9.0 Meg	
20 Single OP (15-20 Hours)	10 Meg	(500 K each)
7 Single OP (30 Hours)	10 Meg	(1.5 Meg each)

CW (11.75 MEG)

1 Multi/Multi or Strong Multi/Single	3.0 Meg	
2 Multi Single at 2 Meg each	4.0 Meg	
5 Single (15-20 Hours)	2.5 Meg	(500 K each)
1 Single (30 Hours)	2.0 Meg	(1.5 Meg)

The assumption for a single operator is assuming a standard tri-bander and a 1 KW amplifier. 1.5 Million points with such a station is very realizable and in 30 hours can be a lot of fun. As you can see from the scoring it will not take a major effort (meaning a lot of DX peditions) to blow this thing wide open. All it will take is 1 or 2 DX peditions and a little more activity on CW and we can get the NCCC entry to go Ballistic!

KB

Chuck, W7MAP

5 MILLION POINT AWARD STANDINGS

This update includes all club entry summaries received and individual summaries of non-club entry contests. Standings began with the Armadillo Run in July 1986. Any contests are eligible to contribute to your 5 Million Point Award under the following general guidelines:

- 1) Points contributed are from club territory.
- 2) If you claim points you must submit a summary in the contest claimed to the sponsoring agency.
- 3) One cannot accrue points if you do not operate. If you own a Multi, you must do some operating. Points are distributed evenly regardless of amount of operation.

The spirit of the award is to stimulate a broad base of activity. I maintain a page for each individual, so if you feel a score was left out, just forward a copy of your summary and I'll add it to the log page. Good luck and thank you.

Chuck, W7MAP

P.S. CAL QSO Party is not included yet because the results have not been published. They will be picked up from the published scores in the jug.

1986 CQWW CLUB ENTRY NORTHERN CALIFORNIA CONTEST CLUB

TOTAL CW	15,090,162
TOTAL PHONE	23,362,702
NCCC TOTAL	38,452,864

CALLS THAT SHOULD BE INCLUDED, BUT NO SUMMARY SHEETS RECEIVED:

N6TU 3.6 Million approx.

Checked by Charles Shinn, W7MAP

<u>CALL</u>	<u># OF SUMMARIES</u>	<u>TOTAL ACCRUED POINTS</u>
WA6AUE	(2)	801,946
N6AUV	(1)	228,325
W6BIP	(4)	945,233
W6BSY	(3)	462,364
N6BV	(1)	988,083
N6CCL	(1)	200,128
KI6CG	(2)	246,140
K6CSL	(2)	59,076
AG6D	(1)	228,325
N1EE	(2)	372,649
N6EK	(5)	568,793
KI6EZ	(2)	305,841
W6FSJ	(2)	760,128
WE6G	(4)	347,535
N6GG	(2)	270,309
W6GO	(2)	1,847,376
WC6H	(1)	245,797
K6HIH	(1)	169,764
WC6I	(4)	466,572
W6ISQ	(1)	381,120
N6JM	(2)	83,015
KN6K	(1)	245,797
K6KLY	(1)	160,312
K6KM	(2)	39,256
N6KT	(1)	988,083
NB6L	(2)	305,841
K6LRN	(2)	64,780

<u>CALL</u>	<u># OF SUMMARIES</u>	<u>TOTAL ACCRUED POINTS</u>
WX6M	(1)	582,435
K6MBV	(1)	13,298
N6OM	(2)	53,414
W6OSP	(1)	113,150
K6PU	(1)	83,985
WR6R	(2)	165,233
W6REC	(4)	681,400
W6RJ	(1)	106,600
N6RO	(1)	152,292
NU6S	(1)	988,083
K6SIK	(1)	184,884
W6SZN	(1)	896,588
AK6T	(2)	305,841
K6TMB	(1)	988,083
K4UVT/6	(1)	203,984
AI6V	(1)	896,588
AJ6V	(3)	82,150
WA6VEF	(4)	3,524,977
W6VG	(1)	4,556
W6WB	(1)	184,920
W7XA	(1)	144,324
W6XX	(1)	988,083
NV6Z	(1)	988,083
K6ZM	(2)	232,422

CQWW 1986
 NORTHERN CALIFORNIA CONTEST CLUB
 CLUB ENTRY
 PHONE

CALL	SCORE	OPERATORS
N6RO	6,916,580	N6BV, N6KT, NU6S, NV6Z, K6TMB, WA6VEF, W6XX,
WR6R/KH6	3,937,192	WR6R
AI6V/KH6	3,596,000	AI6V, K6GSS, N6HR
VP2MU	2,196,616	W7MAP
W6GO	1,125,396	W6GO
NB6L	1,019,919	NB6L, K6ZM, AK6T, K4UVT, KI6EZ
WC6H	983,187	WC6H, WC6I, KG6GF, KN6K, AA6Z, W6REC
W6BIP	840,140	W6BIP, WA6AUE
WX6M	582,435	WX6M
FR/W6QL	513,820	W6QL, W6KG
W6FSJ	458,190	W6FSJ
W6BSY	396,508	W6BSY
AG6D	288,648	N1EE, W7XA, (NO SUMMARY SHEETS)
N6CCL	200,128	N6CCL, N6IYE
WE6G	197,575	WE6G
K6SIK	184,884	K6SIK
K6HIH	169,764	K6HIH
KI6CG	169,344	KI6CG
K6KLY	160,312	K6KLY
N6EK	111,450	N6EK
N6JM	55,485	N6JM
N6GG	48,465	N6GG
K6CSL	27,324	K6CSL
N6OM	18,414	N6OM
K6KM	2,576	K6KM
AJ6V	1,650	AJ6V
TOTAL	23,362,702	

CQWW 1986
 NORTHERN CALIFORNIA CONTEST CLUB
 CLUB ENTRY
 (CW)

CALL	SCORE	OPERATORS
VP5X	2,366,848	K6ANP, KK6X, WW6F
N6RO	2,142,918	WA6VEF
8P9AG	1,947,424	K4UVT/6, K6ZM
AI6V	1,793,176	AI6V, W6SZN
FH/W6KG	1,557,612	W6KG, W6QL
AG6D	913,297	AG6D, N1EE, N6AUV, W6NWS
W6BIP	763,752	W6BIP, WA6AUE
W6GO	721,980	W6GO, W6TI
WR6R	509,282	WR6R, AK6T, NB6L, KI6EZ, NP4WI
W6ISQ	381,120	W6ISQ
W6REC	364,752	W6REC
N6EK	318,591	N6EK
W6FSJ	301,938	W6FSJ
N6GG	221,844	N6GG
W6WB	184,920	W6WB
WC6I	152,835	WC6I
W6RJ	106,600	W6RJ
K6PU	83,985	K6PU
WE6G	63,700	WE6G
K6LRN	60,160	K6LRN
AJ6V	38,640	AJ6V
N6OM	35,000	N6OM
N6JM	27,930	N6JM
W6BSY	27,302	W6BSY
W6VG	4,556	W6VG
TOTAL	15,090,162	

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