



"DO NOT EVEN THINK OF GOING TO BED THE FRIDAY NIGHT OF A CONTEST," KEN KEELER, N6RO

JUG

CONTESTS ARE

NUMBER 241 JUNE 1992

PRESIDENT N6TV VP/CC N6IP SEC/T WA6SDM BOD: KA6ING WN4KKN KJ6LD AE6Y EDITOR W6ISQ

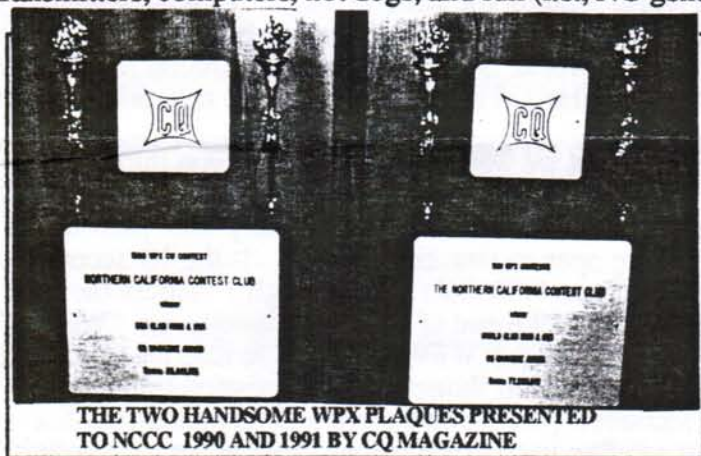
NCCC AGAIN TOPS WPX

TV GUIDE
BY PRESIDENT BOB, N6TV

Once again, the NCCC is number one. In 1991, our club won the WPX club competition by a wide margin, setting a new all-time record. This year, with conditions even better than last (and with the single-operator operating period extended from 30 hours to 36), we are probably well on our way to another victory and another record. We have big DXpedition scores from HC8A(N6KT) and P49V(AI6V), and a big multi-multi effort by the crew at N6RO's, signing WZ6Z, plus lots of little pistols who gave it their all. Thanks to everyone for your participation. See VP/CC Bob N6IP's column for all the scores.

It is now Field Day month. Last year we had a blast at the K6ZM QTH in Danville, with 14 transmitters, computers, hot dogs, and fun (i.e., NO generators). This year we plan to have a bit

smaller affair. It is being honcho'd by WB6MZQ and WR6R with assistance from NCCC past president N6OP. We hope to have several computers set up for real-time logging with CT (as we did last year). FD offers a great opportunity to try out computerized contesting with lots of experts around to help you get the hang of it. We may even have the new K1EA DVP board up and running at one of the SSB positions — come see it in action! You'll find directions to the Field Day site elsewhere in this issue.



THE TWO HANDSOME WPX PLAQUES PRESENTED TO NCCC 1990 AND 1991 BY CQ MAGAZINE

Field Day will take the place of our regular NCCC meeting this month. We will conduct a short business meeting at 2:00 P.M. Saturday (or after lunch some time), to vote on the Club's annual budget (as required in the By-laws). Next month we should have a regular meeting, though
(GUIDE CONT PAGE 2)

UPCOMING CONTESTS

June		
13-15	ARRL VHF QSO	(QST, May, p. 126)
19-21	All Asian DX CW	(QST, May, p.128)
27-28	Field Day	(QST, May, p.124)
July		
11-12	IARU HF World Championship	(QST, April, p.98)
18	Columbia Independence	(QST, June, p.97)
18-19	Barcelona '92 Olympic Games Contest	(QST, June, p. 97)
21	ARCI QRP Summer Homebrew Sprint	(QST, June, p. 97)

NEXT CLUB MEETING

WILL BE HELD AT

2 PM SATURDAY, JUNE 27
DURING

FIELD DAY AT K6ZM'S
44 TOYON TERRACE, DANVILLE, CA

See Page 3 for story and directions

we may have a surprise location! Watch this space.

This is also a reminder that annual dues are due July 1st. Please send dues of \$24 (\$12 for students and family members) to:

Jim Hollenback, WA6SDM
NCCC Treasurer
2021 Stonewood Lane
San Jose, CA 95132-1356

Make checks payable to NCCC. Regular dues of \$24 per year are not quite sufficient to cover the expenses of the club. In order to meet our deficit, we have, for the past several years, requested members who can afford it to send in an extra donation to help defray the expenses. This has proved to be highly successful, and we have been able to keep operating under more or less balanced conditions because of these generous donations. We need the same again this year, and we request that any such donations be noted on the appropriate line of the enclosed form.

The club is honored in having several anonymous benefactors who have agreed to match donations, dollar for dollar. If you would like to be one of the anonymous benefactors, please contact me.

Now, to the future. In years long past, the NCCC won five or six Sweepstakes contests in a row, as a club. Recently, we have attempted to do the same in the CQ WW contest. We have had little success, mainly due to the East Coast propagation advantage, the grueling nature of two 48-hour events (one over Thanksgiving weekend), and the expense of mounting major DXpeditions in order to compete with the East Coast clubs. This year, with both sunspot activity and JA activity in rapid decline, our chances of competing nationally in the CQ WW seem remote.

As President, I believe this is the year the NCCC needs to make a serious effort in the ARRL SWEEPSTAKES. National participation has been growing steadily, with the League now offering neat "SS participation pins" and handsome "clean sweep mugs" to anyone who works all 77 ARRL sections during the contest. The contest is more fun than it used to be, with lots of novices and technicians to work on phone, and a surprising amount of activity from all sections on CW. Remember the "NCCC #1 in SS" T-shirts? The KB-1000 awards, the KB-2000 awards? We can do it again, but not without your help. 100K is all we ask ...

73,  Bob Wilson, N6TV

PUBLISHED BY THE NCCC EDITOR W6ISQ, JOHN TROSTER
PRESIDENT, BOB N6TV 82 BELBROOK WAY
VP/SEC BOB N6IP ATHERTON, CA 94027
SEC/TREAS, JIM, WA6SDM 415-854-3939
DIRECTORS: LOUESE, KA6ING;
TREY, WN4KKN; HENRY, KJ6LD; ANDY, AE6Y
ASST ED: MAGGI, KC6NFE

BEACONS de W6ISQ

Help is needed from everyone, you and you and you! **BEACON BOB, N6EK**, has constructed a 3-band beacon, signing W6WX/B and now undergoing tests at W6QHS. On 14.1 MHz, W6WX/B is part of the NCDXF/IARU world-wide beacon network and sends its usual one minute message with four-nine second dashes at power levels of 100-10-1-0.1 W. It repeats its transmission in its turn every ten minutes. There are eight other beacons in this network which has been operational over ten years.



N6EK IN REVERIE, NO DOUBT BEACONS.

Immediately after W6WX/B completes its 14.1 transmission, the beacon switches to 21.15 and sends a ten second message: "W6WX/V dah-dah-dah-dah", where the dahs are about one second long. The beacon then switches to 28.2 and sends the same 10 second message. Switch fast enough and you can hear all three transmissions. Ultimately there may be 20 or so beacons around the world sending the same message. That is, in under four or five minutes you can test the bands for openings around the world. A one minute transmission for 20 beacons will strain the usefulness of the network for most operators.

What we want to know is: what you think of the format on 21.15 and 28 MHz. Imagine you are in a DX contest and would like to know quickly what parts of the world are open to you on that band. Is the 10 second message from W6WX/b long enough? Should the call be repeated at the end of the transmission, i.e. "W6WX/B dah-dah-dah-dah W6WX/B?" to be sure the beacon can be identified, even though the transmission time may be 15 seconds? (Remember there will be perhaps 20 beacons sending in tight sequence). Should the dahs be left out and just the beacon call sign repeated two or three times? Should there be a different format altogether? You don't care one way or another. You would never listen to the network! What?

This world-wide network will be of interest to testers, DXers and ionospheric observers. Not every user will be interested in precisely the same thing. We would like to make it the most useful network we can for the greatest number of users. What is your preference? Write, DXSPN, phone, or otherwise contact W6ISQ with your ideas and comments.

**DUES ARE DUE---JULY 1
USE COUPON PAGE 9**

TROSTEROSTER

DE W6ISQ

PULCHRITUDE AND AGE DEPT. Did you see the photo of NCCC's own Founding Father, "Tall Jim" Neiger, N6TJ in the magazine ads? Congrats to Jim who is the latest of the NCCC's honored and featured in Big Name ads.

First was BOB, W6RJ on the front cover of CQ magazine! Wow. Then CARL, AI6V, and DAVE, W6QHS, were featured in Big Ones. And now Jim. Are there other NCCCs I've inadvertently missed?

Why do you suppose these fellows were featured in such important commercials? Lot of people have the same equipment and bigger antennas. So, what is it these NCCCs have that members of other clubs don't? You think it is perhaps because they may have run up a big contest score once upon a time? Or that operators all over the world recognize their call? Not at all. Look again—the answer jumps right out. They're all more handsome than candidates from other clubs! That's right. NCCCs have the most photogenic physiognomies of any Big Time contesters scattered around the world. No wonder advertisers are after NCCCs! They are all hunks. Look at our Magnificants again. Do you realize they are all over 50? It's the mature look that does it, right! Hey, gives us all hope! Congrats to all. Who'll be next in the long line of good looking NCCCs to grace the commercial pages of the ham magazines? How about our mature younger crop of recent WPX Winners?



Jim Neiger, 9Y4AA winner of both the Phone and C.W. All Band Trophies in this year's contest. Jim was also "Top Banana" as ZD8Z in last year's phone section.

RESULTS, CQ WW, CQ MAGAZINE, SEPTEMBER 1970



SEEN AT THE K6ZM FD BARBIE, 1991

THE GREATEST FIELD DAY YET

AS TOLD TO W6ISQ

We had a call from the two very enthusiastic organizers of this year's Field Day, STEVE, WB6MZQ and AL, WR6R. They want us to know their plans to make this year's Field Day a combination of the best possible NCCC contest operation and a great outing for the whole family.

Says Steve, "Whacha going to put in the JUG about Field Day? You'll say it will be at K6ZM's, June 27, and print directions to DANVILLE to get to the house. Right?"

"Right."

DIRECTIONS TO K6ZM:

Northbound on Highway 680. Proceed toward Walnut Creek, take El Cerrito off ramp, right onto El Cerrito, left onto El Pintado, left on El Rio right onto Toyon Terrace to end of road and antennas.

Southbound on Highway 680. Proceed toward San Jose, take El Pintado off ramp. Left at stop sign, right at El Rio, left on Toyon Terrace to end of the road and antennas.

"You'll say there'll be rigs for everyone to operate."

"Right"

"We've got high tech stuff linking all the rigs together, from N6OP and N6TV. All rigs computerized."

"Right."

"Anyone who doesn't know how to work a computerized logging system can get lessons from Professor N6TV."

"Right. You really think I could..."

"And we need muscle volunteers to put up a tower."

"Right. Lot of 'em..."

"And hear this. All you can eat, hot dawgs, burgers, chicken marinated by Peggy Frazier, potato and other delicious salads, all kinda pop, beer. All at the low, low price of only \$5 per head. Can't eat that cheap at McDUGALS!"

"Right"

"Big culinary feature is Barbie chef, NCCCer Luigi the Flipper, K6Tango Mango Bango, who will demonstrate his fine-tuned technique of rolling, flipping, throwing hot dawgs on the grill, plus other esoteric accomplishments."

"Right. Can hardly QRX."

"Bring the YL, or the XYL and the kids, the cousins and the aunts. Especially we hope you will bring other hams who'd like to participate or even just look. Perhaps we have some potential NCCCs out there. Bring everybody."

"Right."

"But WE NEED A HEAD COUNT. We need to know how many you'll be bringing so the planners can buy enough for TMB to grill."

"Right. Call Steve, WB6MZQ at 510-254-3350 or Al, WR6R at 510-254-3233, to tell'em you're coming."

"Peggy says she looks forward to seeing all her friends again this year. So, come on over, join the big fun, stay all day, an hour, as long or short as you like."

"Right. We'll be there, guests, camera, notebook, to cover the Big Story for the June JUG. Join the fun. Get your picture, in the JUG. Call in reservations right away!"

INQUIRING MINDS DEPT.

DID YOU SCORE?

DE BOB N6IP, VP/CC

If you did, then you are obviously not the "kiss-and-tell" type! The month of May brought no contest scores into my packet system or USPS mailbox. Since May is a relatively slow month, except for WPX, this is understandable. Maybe you just need to know where to report your score? Glad you asked.



Please send your contest results via:

Packet N6IP via DXPSN
 Telephone (408) 258-1015
 US Mail Bob Wolbert
 10028 Bon Vista Ct.
 San Jose, CA 95127

In return, you will receive a multitude of Benefits, including:

- Fame—See your callsign in genuine print in our beloved *JUG*
- Glory—Your score will be forwarded to AD6E and added to your totals for the coveted 5 Meg Award
- Fellowship—Help NCCC decimate the club competition (again).

Field Day

NCCC Field Day will be held at K6ZM again this year. This multi-multi operation will run commercial power (Class D). Exact number of transmitters has not been determined. Please contact N6OP and help out with antenna preparation. Contact WB6MZQ or WR6R for operator scheduling. The June NCCC meeting will occur during the operation.

NCCC Scores, June, 1992

KEY:

- S/O = Single Operator
 S/U = Single Unlimited (with packet)
 M/S = Multi Single
 M/M = Multi Multi
 20 = Single Band, 20m
 QSOs x Mults = Final Score

Note: I've included N6KT's WPX SSB score again—you'll notice it has been revised upward. Also, it simply deserves reprinting. *Outstanding job, Rich!*

WPX SSB	QSO	MULT	TOTAL	
HC8A (N6KT)	6,888	1,061	24,833,766	S/O
N6CCL				628,256
S/O				

WPX CW

WN4KKN	1,873	678	3,244,908	S/O
N6TV	1,236	533	1,701,869	S/O
AD6E	387	258	239,682	S/O
W6RGG		1,012	543	1,166,364
20				
GB5CW (+ AA6MC)			2,500,000(est)	M/S
AG6D	1,528	639	2,309,985	M/S
(+ N6YK, N1EE, N6IP)				

73 & KB de Bob, N6IP

THIS ARTICLE IS REPRINTED FROM JARL NEWS, MAY, 1992

Campaign for Protection of Radio Wave Users

To protect users of radio waves who lawfully operate radio stations and also for the purpose of maintaining a good environment for radio waves where users can efficiently utilize radio waves of good quality, the Ministry of Posts & Telecommunications has, as an annual event, set aside 10 days, June 1st through the 10th this year for the captioned campaign. During this period, special emphasis will be made to improve and enlighten knowledge concerning the Radio Law and other related regulations. It is also anticipated that control of illegal radio stations will be tightened throughout the country in cooperation with and assistance from investigation agencies.

On May 30th the Kinki Radio Telecommunications Cooperative Association, a private sector organized by the Kinki Telecommunications Administrations (M.P.T.) will hold a festival on board the ship "Sunflower." Said event will have for its theme this year: "Let's Link Our Lives by Radio Waves." For those making this trip, they will be able to enjoy several functions, for example, JARL Kansai Regional Headquarters will specially operate a commemorative station—JA3RL—at 7,144,430 MHz, issuance of commemorative QSLs, etc.

On June 9th, the Radio Wave Environment Protection Cooperative Association, made up of JARL and other organizations concerned with radio waves and the Useless Radio Wave Consultative Council will hold a seminar on: "Radio Wave Environment Course for Beginners." Attendants will be given a thorough understanding on the subject of "protection of radio wave environment" through a clear explanation of "radio waves," which normally seem too difficult to understand except for veteran hams.

CONFESSIONS OF A CASUAL CONTESTER DE W6ISQ

If it's June, can Field Day be far behind?

In June every year, I think of a telephone call I had from the late, great contestator Cam Pierce, K6RU the night before a Field Day many years ago.

As many of you know, Cam was the father of big multi-multi contest operations, at least here on the west coast. You might remember his photo on the cover of QST sitting on the 100 foot boom (on the ground) for his new contest 40 meter antenna. It was two 50 foot towers bolted together back-to-back. This was at a time when 40 meter beams of any kind were still scarce. He built his contest station on an avocado Ranch in Fallbrook, south of Los Angeles, and when he moved to Hawaii, he sold ranch and station to Dale Hoppe, K6UA. When Cam returned from Hawaii, he spent a few years in Southern California, and then came back to his roots in the Bay Area. He had grown up in San Mateo and studied electrical engineering at Stanford. In the big pre-war radio contest days, Cam and Mike Villard, W6QYT, managed the Stanford Radio Club station W6YX. Cam was the operator and Mike was the chief engineer, keeping the equipment functioning.

So I got this phone call on the eve of Field Day soon after Cam got settled in a new house in Portola Valley. In a very plaintive voice Cam said, "do you know what day tomorrow is?"

I thought, what's he talking about? Is he kidding? Can't be sure so I'll give him a semi-straight answer. "Lessee, gotta be a Saturday. I dunno. What day is it?"

In a quavering voice Cam says, "It's Field Day."

Ohhhhh, to be sure. Gee I forgot. You going to go mobile or something and work a few?

"I don't have any place to go. I used to organize the Honolulu ARC operation and we won all the time. But I don't know anybody up here. You know where I could find a FD operation?"

"Sure. Palo Alto ARA has an active group. Why don't you call Fred Canham, K6YT?" and I gave him Fred's number.

Half hour later another call from Cam. The plaintiff mode had changed to joy. "He wants me!"

Next day I went to the Field Day site. There was Cam with a wide grin, still under his big pair of ear-phones, pounding brass after an all night stint. He didn't stop even to say, "hi". He just kept smiling and logging. A little while later, Cam set down the phones and we chatted briefly. "Say, there are a lot of pretty good operators here. I think we could make this club a real winner."

Cam was deaf, very nearly on one side and almost on the other. You had to sit on the best side to be heard at all. But give him a pair of headphones and he could copy CW ESP stuff. However, he would never even go into a Field Day phone tent, never mind using a mike. Undignified.



CAM'S PARTNER, K6YT

Sunday night Cam called. He and Fred had had some serious discussion and decided that Fred would rework all radio equipment, cabling, etc. etc. while Cam would develop a band operating plan, build filters, redesign and rebuild all monoband antennas. They also decided that between them they would have things so well planned that they would have to win next Field Day in their chosen category.

And they did! For many years PAARA was absolutely tops in their category. As they unloaded antennas in Cam's back yard the day after every FD, Cam and Fred would begin planning changes for the next year.

NCCCer Fred, K6YT, still carries on for PAARA on FD. I'll bet he'd be thrilled to hear from someone who would like to take over Cam's tour of all-night duty on CW.

SECRETARY'S REPORT

DE JIM, W6SDM SEC-TREAS

Board of Directors Meeting, May 15, 1992

The meeting was called to order at 6:15 PM. Present were N6TV, KJ6LD, AE6Y and WA6SDM. First order of business was the badge fee. Currently we are charging \$7.50 per badge but our actual costs are \$7.51 per badge plus any shipping. N6TV made a motion to raise the fee to \$8, which was seconded by AE6Y. The motion was carried by all present.



The next item of business was the proposed budget for the next year. The proposed budget was presented by WA6SDM. After discussing the basis for the income and expenditures, it was decided to present the budget to the membership for motion at the next meeting. The proposed budget is included with this report.

Next item for discussion were the CQP awards. N6TV wished to compare the most recent awards presented with what has been given in the past. This task fell to WA6SDM.

N6TV presented the idea of the June meeting being held at K6ZM's station for field day, which was accepted by the Board. The July meeting is proposed to be a picnic held in Sacramento. The idea of meeting with some of the other clubs in the central valley will be explored.

Board of Directors meeting adjourned 6:45 PM.

Business meeting, May 15, 1992

At the regular business meeting the current Treasurer's report was given by WA6SDM, the coming contest was presented by N6IP. W6RGG raised a motion for the regular meeting to start at 7:30 PM. The motion was not seconded. W6RGG also made a motion for the club to concentrate on the Sweep Stakes this year. The motion was seconded by WA6SDM. After much discussion by all present, the motion was carried by 9 to 2. This concluded the business meeting. The rest of the meeting was devoted to an interesting show-and-tell session.

LAST MEETING DE W6ISQ

There was a little good news and a little bad news about our meeting at Hewlett Packard, Palo Alto May 15.

The good news was that Show and Tell was a huge success with some very interesting gadgets described and displayed. The bad news was that there were so few in attendance to listen and see and learn!

Read along here and see what you missed:

President **BOB, N6TV**, brought his Ameritron QSK box which he rates as excellent. It will handle full break-in to 2.5 KW from 160-10 with 1/4 db insertion loss. Cost about \$400. Bob reported that **N6RA** switched to using this black box when he became dissatisfied with the built-in QSK keying in his TenTec HP final. This unit can be adapted with only four connecting cables to any final. The final accolade, **W6RGG**: "sounds good to me."

STEVE,

N6ST brought the Vector Control System 3251 which he purchased at Dayton. This piece of equipment is about a foot square and an inch thick. It is a polar projection map with lights around the perimeter to correspond to beam heading. Just hook it up to

almost any rotator box that uses a potentiometer. Cost \$165.

JIM, WA6SDM, brought the voice keyer he built according to **N6IP**'s article in the JUG. He had no problems with construction, says it works like a charm.

ALEX, KI6EZ, also brought his voice recorded which he built from an '87 QST article using a Toshiba chip. The chip is available for about \$150. Alex has made at least 20,000 QSOs with this little box but says it is easy to go to sleep when it is doing the work!

HENRY, KJ6LD brought his good luck charm, a ten inch piece of 1832 railroad track. Now there is an innovative idea to have in a shack these days of computers and high tech. Actually I have a small good luck piece on my operating table, but I didn't think to bring it. Good for you Henry we need all the help we can get these days.

BOB, W6RGG brought his CMOS Super Keyer II which was built from a '89 QST article. The keyer is entirely programmable and runs off 3 AA batteries. Bob swears by it and says it is the best piece of equipment in



N6ST BROUGHT ANOTHER CONTROL SYSTEM ALSO, RECEIVER APPROVED

his shack. It goes with him when he goes to operate on foreign soil.

RICH, N6KT brought one of his unique inventions, his Voice Pitch Escallator. This devise consists of a 15 foot length of flexible one inch plastic tubing which is filled with ice water. The male user then sits upon this coil and voila—his voice will lose it's lows and gain considerable highs which is ideal for contest operation. A pump can be arranged to circulate this ice water through a bath tub of ice cubes. We wonder where he got the ice for his winning operation in the Galapagos!

Rich also brought his large size high-fi \$7 headphones from Radio Shack which he modified to support a short mike boom arrangement. Rich also carries with him to his various contexpeditions a small receive/antenna switch box for 160/80 with built-in pre-amps. His finds this almost hand-held switchbox very valuable for quickly finding the best receive path on the low bands.

AL, AG6D wanted to bring his whole shack to display various innovations. He settled for bringing many pictures of the shack and the 120 foot towers. He also told us of having no fear whatsoever of climbing the tower itself, but an instant change in the fear factor when he emerged standing on top of the tower hanging onto just the mast. Quite a vivid description. Al has a multi-multi operating position with two of everything. A very nice presentation.

The program was very well received with many questions and discussions. It was the consensus that we ought to have mini Show and Tell meetings every six months or so to keep the club up to the latest in innovations, new products, new ideas, etc. Thanks to all.

BULLETIN BOARD DE W6ISQ

QUOTE OF THE WEEK: **KI3V**... "was there a contest with these conditions? Thought they cancel when flux is over 100!"

REMINDERS:

1. An EXTRA contribution, little or big, with your NCCC dues, will trigger a dollar-for-dollar matching grant. Be smart, invest here, double your money.

2. Call **MZQ** at, 510-254-3350 or **AL** at, 510-254-3233, NOW to reserve your hot dawg and burger or chicken at our **K6ZM** Field Day Extravaganza. Chef, "Luigi the Flipper" needs to know how many of everything to buy.

Multi CONGRATULATIONS to "Killer Tomato", **RICH, N6KT** who worked an awesome number of stations in the WPX phone constt from HC8. Ditto **TREY, WN4KKN**, working at **W6QHS**, who destroyed all CW WPX scores of record. Phantastic job Rich and Trey.

What's HAPPENED to the **W6QHS- WZ6Z** idea to offer T-shirts to JA stations who work a given number of Suffering Sixes in contests? Who's got the ball? ID your ideas to **W6QHS** or **WR6R** and let's move on it!

SHOW AND TELL MEETING--WHAT THEY SHOWED AND TOLD



WINNING GADGETS

CLOCKWISE FROM UPPER LEFT WITH THEIR COULDN'T-DO-WITHOUTS
KJ6LD, KI6EZ, N6TV, AG6D, W6RGG, N6KT, N6ST,

Operating the IARU Championship

de Dave, K8CC

(This article by Dave Pruett, K8CC, appeared in a recent issue of the Mad River Radio Club's newsletter. Dave is the author of the well known and highly regarded NA Contest Logging Program which many of us will be using in the IARU HF Championship contest this month...ed)

Quite a few contesters seem to have no interest in operating the IARU HF Championship contest. It's not hard to see why - the contest occurs in mid-July, when most rational people have lots better things to do than sit in the basement and operate their radios. (Considering the July weather here on the Gulf Coast, I can think of nothing better than sitting under the air conditioning and operating radio...ed) However, for those contesters who can fit it into their busy schedules, the IARU HF Championship offers some unique challenges and lots of fun.

The contest used to be called IARU Radiosport, which I personally feel was a much better name than "HF Championship". The rules are somewhat unique - the scoring is based on ITU zones. No, not CQWW zones (of which there are 40) but ITU zones (of which there are 90). Score one point for a QSO in your ITU zone, three points for a QSO outside your zone but on your continent, and five points otherwise. Multipliers are ITU zones worked on each band. 160 thru 10 (no WARC), with additional multipliers for any ITU Headquarters Club station worked (ex. W1AW for ARRL). The contest period is 24 hours, from 1200Z Saturday to 1200Z Sunday, with no off times. There are four entry categories: single-op CW only, single-op SSB only, single-op mixed mode, and multi-operator single transmitter.

The rules have a lot of positive aspects. Most contesters can go the 24 hour period without sleep, and it occurs at a pretty convenient time for us W8s - 8 AM on Saturday to 8 AM on Sunday. The point structure encourages the operator to chase DX, but if conditions are punk, you can still work statesiders to pile up the points. Multipliers are crucially important - consider this, in a typical CQWW, the ratio of QSOs to mults might be five or six to one while a good IARU score might be more than ten to one!

The biggest difference to operating in the IARU is due to the July contest date. Summer propagation is usually very different from fall, which means that 28 MHz is not likely to produce any European runs. However there are opportunities for unusual paths, such as LP JA in the morning and often quite a bit of dual EU/JA openings (thank goodness for split-beam stacks!). Also, sunrise/sunset times are drastically different from the fall (go out now and buy a DX-Edge if you don't own one already).

Having done reasonably well in IARU for the past three years in the CW-only category, I would like to pass along some operating tips that should help improve your IARU HF Championship score.

First, since multipliers are so important, try to be QRV on all six contest bands. Even a mediocre antenna for the low bands will help build your score. There are six ITU zones to be worked just in the USA and Canada - add a couple of DX zones and voila!

Second, if you plan to seriously operate the contest, decide ahead of time to operate all 24 hours. There is always people to work so there is no really good time to take off. If you only want to operate part time, hit the Saturday morning EU (and maybe JA) runs, then skip the afternoon if desired. Start again before sunset and stay up at least thru EU sunrise at ap-

proximately 0400Z. Try to get up around 1000Z for the Pacific and then finish the contest running EU again until 1200Z.

I usually start the contest on 14 MHz, because there always seems to be some Southeast Asians to work that are never heard from again. In 1989 my first QSO at 1200Z was a LP JA on 28 MHz CW. This is a good time for Africa and skew path EU, so check 28 MHz at the start. It is very tempting to start on 21 MHz since EU is likely to be coming in well, but don't miss the opportunities on 14 and 28 MHz.

Around 1300Z you will probably want to start hammering 21 MHz. After a while you will start to think you are doing a single band contest, as there will not be much to work on 14 MHz once absorption kicks in during the day. 28 MHz must be watched for multipliers, and this is where a second radio can be an immense help. Most QSOs on 28 MHz will be south Americans, but you need every one of them to build your mult total on that band. Get into a rhythm - run 21 MHz, then sweep 28 MHz (preferably both at the same time!).

By late afternoon you will have flogged 21 MHz to death, and it is not uncommon to have 500+ QSOs on that band and fewer than 100 on the other bands combined! As sunset approaches, the absorption will start to dissipate and allow 14 MHz to be useful. Some really terrific hours are available during this period so take advantage of it. You might also check 7 MHz prior to our sunset.

In July W8 sunset occurs roughly at 0200Z. This is the BEST time to work EU on 3.5 MHz. For the past two years, I have been able to CQ Europeans on 3.5 MHz using simple wire antennas (that means dipoles, fellas). Hearing the DX during the summer can be a real challenge - RX antennas such as beverages and loops are a big help. There are usually at least a couple of big HQ Club stations running multi-multi that have good sigs and can be worked with reasonable effort. Don't miss this chance on 3.5 MHz.

After sunset you gotta make serious hay on 7 MHz. European sunrise occurs around approximately 0400Z, so we only have a couple of hours of mutual darkness to rack up EU QSOs on 7 MHz. Again, hearing the DX can be a problem when thunderstorms are nearby, however a good run on this band can result in lots of multipliers, particularly out of Africa.

Once past EU sunrise, it's time to hammer 14 MHz. Most years, this band is open all night and there are scads of Russians to work. (This might have something to do with the old "RADIOSPORT" name - lets hope they never discover the name change.) In 1989 even 21 MHz was open to EU most of the evening, but it's probably not really runnable, and you need to build your 14 MHz QSO total (and the mults that go with it). Don't forget to sweep the low bands every hour or so - it's a good idea to check 1.8 MHz on the hour, but don't waste time there without working anybody.

Around 1000Z things start to get interesting out to the west. In 1990 I went to 1.8 MHz to help out N6TV who needed my zone, and the first sig I heard was ZL3GQ, S8 on the meter! I snagged Peter with one call (alright, I admit that there were no others calling), then QSY'd down to work N6TV on 1823. A couple of CQs netted no response, so I went back up to 3.5 MHz. The first CQ on the 90' high dipole netted ZL2UW, FK8FU and then KL7Y who said that I "was real loud on 160". We moved back to 1.8 MHz but a cockpit error at K8CC caused the fuses in the Titan amp to blow. I never heard KL7Y and he told me later on 3.5 that he never heard me again.

One more thing. IARU HF was the contest that motivated me to write my NA Logging Program.

TREASURY NOTES

PROPOSED BUDGET JULY 1992 TO JUNE 1993

TREASURER'S REPORT
July 1, 1991 to May 15, 1992

		BUDGET	TO DATE
Dues	\$3,468		
Donnations	\$ 0		
JUG adds	\$ 270		
Jug Publishing	(\$2,160)		
CQP	(\$ 900)		
Membership award	(\$ 600)		
Visalia	(\$ 200)		
Self funding	0		
Sponsored awards	(\$ 150)		
Contingency	(\$ 200)		
Total	(\$ 472)		
Estimated carryover from 1991-1992 budget	\$ 650		
Net	\$ 178		

		BUDGET	TO DATE
Membership Dues		\$3,000.00	\$3,002.00
Donnation			\$1,580.77
Jug & Roster Ads		\$670.00	\$270.00
Jug Publishing		(\$1,800.00)	(\$1,834.98)
CQP		(\$1,000.00)	(\$1,300.89)
Membership awards		(\$1,000.00)	(\$ 502.33)
Visalia Hospitality		(\$ 200.00)	(\$ 151.01)
Self-funding events		\$ 0.00	\$ 151.01
Sponsored awards		(\$ 150.00)	\$ 0.00
Contingency fund		(\$ 200.00)	(\$ 39.55)
Total		(\$ 680.00)	\$1,176.11

Notes:

As of May 15, 1992 the balance in our Wells Fargo checking account is \$1,645.20. As usual, the repeater fund is not accounted for in the Treasurer's report.

THE DUES ARE DUE!

Check your mailing label! The Dues are DUE.

Please fill out the enclosed form and mail

in your Dues.

Here are my dues for the 1992-1993 year.

Name: _____

Call: _____

Address: _____

Dues:
 Full membership: \$24/year
 Family membership: \$24/year for first member
 \$12/year for each additional
 member at same address.

Associate member:

Student member: \$12/year

Full memberships _____ x \$24 = _____

Family memberships _____ x \$12 = _____

Associate/Student _____ x \$12 = _____

Donation _____

Repeater Fund _____

Total _____

CUT OUT FOR MAILING LABEL

Jim Hollenback, WA6SDM 2021 Stonewood Ln. San Jose, CA 95132
--



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

Phone Hours:
9:30 AM to 5:30 PM

Store Walk-In Hours:
10:00 AM - 5:30 PM
Closed Sundays

NOW TOLL FREE IN CALIFORNIA!

CALL TOLL FREE:
West 1-800-854-6046

ICOM

IC-765



100W HF Transceiver
General Coverage Receiver
Maximum Operation Flexibility
SALE! CALL FOR PRICE

OAKLAND, CA 94606
2210 Livingston St.
(510) 534-5757
(800) 854-6046
Pch. WAGWB, Mgr.
1890 at 23rd Ave. ramp

-NEW ADDRESS-
SUNNYVALE, CA 94086
510 Lawrence Expwy #102
(408) 736-9496
(800) 854-6046
Ign. KB6LJC, Mgr.
Lawrence Expwy
So. from Hwy 101

KENWOOD

TS-850

HF Transceiver



NEW!

Advanced Technology Performance
108 db Dynamic Range, Optional DSP
CALL FOR LOW PRICE

**PLEASE STOP BY AND LISTEN
TO THE AMAZING NEW
KENWOOD TS-950SDX**

YAESU

FT-990



NEW!

100W HF Gen Cov Transceiver
DDS, QSK • 500Hz CW Filter included
CALL FOR LOW PRICE

— **NEW LOCATION! NOW IN SUNNYVALE** —
ACROSS EXPRESSWAY FROM FRY'S ELECTRONICS

June 1992

NCCC
44 Toyon Terrace
Danville, CA 94526

FIRST CLASS

FIRST CLASS

FIRST CLASS

Membership paid thru: June 1992
Charles Epps, W6OAT
651 Handley Trail
Redwood City, CA 94062

JUN 13 1992

