

Southern California Contest Club Operations, Results, and Enlightenments.
 SCCCORE is the official bi-monthly bulletin of the Southern California Contest Club. Membership is \$3.50 per year, Payable to SKI Brozowsky, N6ADI.

PRESIDENT

Mark Beckwith, WA6OTU, 789 Brookside Ln,
 Sierra Madre, CA 91024 (818) 355-2787

VICE PRESIDENT

Ray Benny, N6VR, 160 Brandt Av, Oakview
 CA. 93022 (905) 649-9696

SEC/TREAS/EDITOR /
NORTH COUNTIES AREA REP

SKI Brozowsky, N6ADI, BOX 62, Oakview,
 CA. 93022 (805) 649-3339

LA AREA REP

WE NEED SOMEONE

CRANOE COUNTY AREA REP

Kurt Andrews, N1GW, 2518 S. Center,
 Santa Ana, CA. 92704 (714) 556-4391

SAN DIEGO AREA REP

Chas Oakes, W6UQF, 3745 Linda Vista Dr.
 San Marcos, CA 92069 (619) ?

BOARD OF DIRECTORS

N6BI, Dennis; N6TU, Jim; N6VT, Marty

SCCC assumes no responsibility for anything said, implied or printed as the
 SCCCORE is filled with opinions, conjecture and hearsay!

NEXT MEETING IS: 19 JULY 1986 at 1PM Location: n6vl's Place

See Meeting Announcement elsewhere in this issue!

ARRL MEMBERSHIP

IF YOU ARE CURRENTLY A MEMBER OR THINKING ABOUT JOINING DO IT THROUGH
 YOUR CLUB AND IN SO DOING THE ARRL WILL GIVE US A REBATE OF \$2.

Just send in your renewal to N6ADI!

FROM THE PRESIDENT = JULY 1986

For some time there has been talk among members discussing the Club's goals, purpose, and direction. Some have gone so far as to say that the Club really doesn't know where it is going or what it wants to do. A few are very concerned about this. This month I would like to offer a facet of our Club's history to anyone who doesn't know it, in hope that it will help you understand why we are the way we are. I attended the very first meeting in the summer of 1976 and paid my dues as a founding member. I have followed this club through it's ups and downs, and have presided over it once before, in early 1978.

In 1976 when the Contest Club was formed, it was a bunch of gung-ho guys who wanted to murder all comers in Club Aggregate Competition. The club promptly fell apart a little less than two years later because the members ultimately didn't have a strong enough commitment to that goal. In 1980, when Tree, N6TR, picked up the rubble, we reorganized with a totally different purpose - to eat pizza and drink beer (ROOF beer in some cases) and have a good time talking about contest operating.

All comments to the contrary, this is our Club's primary purpose to this day. The Club that was re-formed in 1980 bears little resemblance to the club that was formed in 1976. The SCCC gives hams interested in contesting an opportunity to rub elbows with their primary competitors, have lunch together, tell stories to each other, and exchange ideas.

There was one other thing we decided we wanted to do in 1980, come to think of it, and that was to put together the most killer DXpedition to Mexico that had ever happened. Well, we did it. It took three years of planning, but in October 1983, twelve die-hard, laugh-at-danger operators from the ranks of the Club spent about \$68.00 each and put XE251 on the air, Multi-Multi for 48 hours in the CQW 858 Contest. Probably the highest points-to-dollars-spent ratio in the history of Contest DXpeditions.

Considering that these are the only goals we have ever set for ourselves, I'd say that our Club is pretty good at setting goals it can meet, and following through on them. Since the attendance at our regular no-program lunch meetings and barbecues and open houses keeps going up, I'd say we're in pretty good shape. There's certainly lots of story telling and statistic swapping going on at the meetings, and a meeting seldom goes by when the ranks of the world class operators are not represented, usually in force. Many times we have had visitors in attendance from other places in the world who share our common interest in operating contests.

The new Club in 1980 expressly forbade paperwork or official procedure of any kind, except for a small bulletin that went out to members announcing the next meeting. That is how we kept our dues to \$2.00. That brings us to today. Today we have essentially the same club, except that it has grown in size from the ten of us in 1980 to a roster of about fifty now.

It is easy for me to understand that some of our newer members aren't aware of some of the things I have described above, and because of some of the comments I've been hearing over the last couple of years, I felt I should clarify it.

I recognize some problems in our current situation. With fifty members, I can no longer hope to maintain the simple structure our club once prided itself for having. You can't do much with \$2.00 per year - it's hardly even postage, anymore. It was a big step for us to raise the dues to \$3.50, and that was CLEARLY the highest it could go without massive opposition. Now SKI is telling me his photocopy arrangement is touch-and-go on an issue by issue basis. The treasury has NOTHING in it. This could be a problem, if we want it to.

Some members have mentioned to me that they would come to meetings if there were programs instead of just sitting around talking all the time. Some are trying to develop interest in another Mexico-type DXpedition, or the killer Field Days of the past with all the towers and beams, which made the multiply-times-five ten watt category take on a new meaning.

The single biggest issue, though, is club competition. Our Club stands so sharply divided on this one that some members are really losing sleep over it. I agree that the goals of the Club have not been clear to many newer members, but I will not for a moment believe that those goals do not exist. The problem has been one of communication. The members who enjoy the lunch meetings the way they are are the ones who understand the function of the Club. The ones who are dissatisfied are the ones who nobody bothered to tell about the way our Club is. It is not their fault, it is our fault for not being as clear as we could have been.

I hope it is clear to everyone what my dilemma is now. I am faced with a large base of members, many of whom have very different feelings about what our Club should do. It is probably obvious that I feel a great loyalty to the function of the Club as N6TR laid it down when he rebuilt it from nothing in 1980. I also am the leader whom you unanimously elected in January, so I could probably assume that you chose me because you like the way I think. I will admit, however, that there was no other name on the ballot.

This does not make my job very easy at all. Anything I say or do will upset some of the members, but at the same time, I have my opinions about where I want our Club to go. I guess nobody said it was going to be easy.

I have a plan of attack, however, which I would like to implement, and which will give each and every member an opportunity to influence the direction of our Club. I composed a questionnaire for distribution at the last meeting, and personally made sure I received a response from every member who attended. This is not the same questionnaire that was included on the ballot. That one only asked if you were interested in something or not, and gave me no indication of how much. Mine asks you to rank a list of present and possible future Club activities in order of importance to you. I also ask members to rank in order of importance the different kinds of contests. I then ask for YES / NO / NO OPINION answers to three questions which have specifically come up in the last year. This will give me a better indication of which activities are higher priorities than others, and by how much, and whether the membership approves of some key changes or not. I ask that each member who has not already filled one out will take it upon themselves to do so.

In exchange for your effort spent telling me what you want your Club to be like, I will attempt to lead our Club in that direction. You know my ideas now. If you don't agree with them, I won't know that unless you take the time to tell me. The questionnaire is the pull-out center sheet of this issue of the bulletin. Complete it and mail it first class.

Just to spur some of you guys on, here are the results I have received so far:

ACTIVITIES listed in order of importance. 1 = most important, 7 = least important.

- 1 REGULAR LUNCH MEETINGS (averaged 2.4)
- 2 OPEN HOUSE / BARBEQUES (averaged 3.5)
- 3 PORTABLE EXPEDITIONS (averaged 3.6)
- 4 AGGREGATE COMPETITION (averaged 4.5)
- 5 FIELD DAY (averaged 5.5)
- 6 COMPETING AGAINST NCCC (averaged 5.7)
- 7 ANNUAL BANQUET (averaged 6.9)

CONTESTS listed in order of importance. 1 = most important, 5 = least important.

- 1 DX CONTESTS (averaged 1.3)
- 2 DOMESTIC HF CONTESTS (averaged 2.4)
- 3 OTHER HF CONTESTS (averaged 3.1)
- 4 VHF / UHF CONTESTS (averaged 4.5)
- 5 OTHER CONTESTS (averaged 4.6)

CLUB AGGREGATE COMPETITION (should we do it?)

YES: 41% NO: 49% NO OPINION: 8%

PROGRAMS AT MEETINGS (should we have them?)

YES: 11% NO: 79% NO OPINION: 10%

INTER-CLUB COMPETITION WITH AWARDS (should we set it up?)

YES: 11% NO: 79% NO OPINION: 10%

These are the results received as I write this column. If anything seems amiss to you, send me your questionnaire. Give a hoot. You matter to me alot, fellow member....

73 from Santa Fe. See you all in September.

Black, WILBERT

N.O.S.C. Scientist Predicts Sunspot Activity R. M. Hilyer

Dr. Adolph K. Paul has written a scholarly paper, "Analysis and Prediction of Sunspot Numbers", that appears in the December 1985 issue of *Geophysical Research Letters*. The paper presents both data and a methodology that may affect the scheduling of future shortwave transmissions and manned space activities.

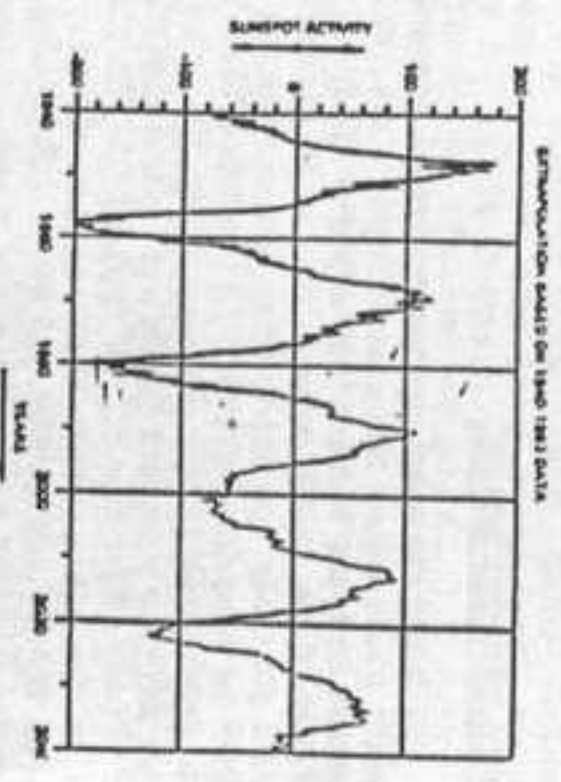
In his paper, Dr. Paul predicts the number of sunspots that will appear annually through the year 2040 (see figure). He does so after employing an iterative procedure that involves, as a first step, a spectrum analysis of the monthly means number of sunspots observed since 1840. Secondly, he extends the data set by using those results for a first order of prediction. After comparing his prediction of sunspot activity with the number of sunspots observed, Dr. Paul revises his formulation to lessen discrepancies between prediction and observation. He repeats the process numerous times, getting, in each instance, a better fit between theory and fact over longer periods of time. He does this until his model satisfactorily accounts for the entire pattern of past sunspot activity. At this point, Dr. Paul uses his model as a predictive tool for the years 1986 through 2040. He realizes, of course, that future observations will necessitate adjustments in his model, but this activity is consonant with the nature of his enterprise, an iterative one.

Dr. Paul's mathematical treatment employs anharmonic frequency analysis, a transform and deals with data that do not consist solely of discrete multiples of a basic unit frequency.

By constructing a methodology that fits past data and promises to make predictions highly accurate, Dr. Paul has provided planners with an effective aid. Knowledge of future solar activity can facilitate effective long-term scheduling of projects requiring either extensive use of shortwave transmission or manned space activity. Intense ultraviolet and X-ray radiation associated with high sunspot activity affects shortwave transmission and may harm people building platforms in space.

Dr. Paul works in the Ocean and Atmospheric Sciences Division of the Marine Sciences and Technology Department. His current research focuses upon ionospheric variability and high frequency propagation.

N.O.S.C. Contact: Naval Ocean Systems Center
Dr. Adolph K. Paul
Code 544
(619)355-7688



Dr. Paul's model (the graph composed of dashed lines) closely approximates sunspot occurrences (the solid curve) for the years 1940 through 1983. Greatest sunspot activity occurs at highest positive and lowest negative readings on the curve. Positive values indicate one orientation of the sun's magnetic field whereas negative values indicate the other orientation.

The material may be reprinted in ham radio newsletters with proper reference. Contact the author for other uses. Reprinted from *REACT* Newsletter and supplied by NAR.

So. Cal DX Repeater Relocated

To the dismay of many DXer's & Contesters that in the past have listened to the DX repeater it has been relocated to K6RR's site and the coverage is lacking to say the least.

The repeater used to cover as far north as Goleta and easily into San Diego but now can't even be heard in some parts of the S.F. Valley. Reasons for relocation were: cost, interference and intermod. Oh well! it was nice while it lasted.

Hope the SCDXC gets it together and back up on some peak with coverage that we can all enjoy!

Good Luck SCDXC!

COAX NEEDS?

Between now and the winter contest season if you are going to need coax contact N6ADI at (805) 649-3339. He is looking for other interested parties in going together on a reel of 213 or better coax. This is the way to keep the price down by buying in quantity.

NORTH COUNTIES REPORT

A WPX CM multi-operator single transmitter effort was mounted from N6VR's place using the call W17E/6. Joe, W17E was in town for the last meeting and was looking for a place to operate from. The guys at the meeting said that Joe might contact the North Counties GAWC, namely N6VR and crew about possibly operating from Ventura County and that's just what Joe did after he exhausted all of his possibilities in the LA area! Joe came in on a bus from LA on Friday and was promptly picked up by Ray, N6VR and taken to the N6VR hilltop site and given his indoctrination. Joe was depressed by 8 or 9 pm Friday night due to the typical California propagation and from that point on it was a fun rather than serious effort. Contributing M/S members were: W17E, N6ADI, AD6C, N6DX and N6VR. The final Q count was around 1300, not spectacular but respectable for a non-serious effort. Joe learned what it was like to contest from So. Cal and he definitely prefers KL7. He continually said you guys must really get bored operating from down here! Apparently KL7 being so close to USSR, JA, and HL never runs out of customers just multipliers. So Joe, a SUPER CM operator, got broken in right off the bat with some of our historical boring periods during those 48 hour contests.

Ray, N6VR and his wife Mariliss, deserve the HOSTS of the year award for putting up with all the visiting hams that invade his house, shack, hilltop and not to mention KITCHEN so often each year. We have been averaging 4 multi-operator efforts per year from Ray's place over the past 3-4 years! THANKS RAY AND FAMILY FOR BEING THE HOSTS THAT YOU ARE!!!!!!

22, 23 & 24 AUGUST

ALL ASIAN CM

ALL ASIAN CM is next month and we are ready in North Counties to fill in where needed to cover all the categories in the contest. The COAL of the club is to WIN every category in North America. The categories are as follows:

Multi-Band All-Band, 28MHz, 21MHz, 14MHz, 7MHz and 3.5MHz single operator and of course All-Band single operator. If you can put in a single band effort please notify the contest coordinator!

We are PUMPED UP for this annual fun contest! So if you can come up to COO's COUNTRY and join our effort let Ray N6VR or SK1 N6ADI know or mount one of your own efforts in one of the categories! Let it be known that the North Counties Contest Group division of the SCCC is always ready to CONTEST and have FUN doing IT! JOIN US!

RENEWALS AND NEW MEMBERS

Renewals rec'd W6ABW-5 K6VI WELCOME TO NEW MEMBERS: N6JUS George & KF6OG Joe!

OPPORTUNITIES

by K6VI Walt

Currently I have the component pieces for a multi-single or 2 Xmtr station, but Anza's HAM radio population is like me, a little long in the tooth for 48 hour contesting. If any of the members in Orange, LA or SD counties are interested and willing to assemble the station with me I would be happy to provide the majority of the equipment and of course the necessary antennas and towers.

Suggest a breakfast meeting in San Diego during the AARL September convention! K6VI, Walt, Box 308, Anza, CA. 92306

MEETING ANNOUNCEMENT:

The next SCCC meeting will be held on Saturday, July 19 at 1:30 at the QTH of Marty N6VI in Sepulveda. The house is one block north of Nordhoff, a block east of the San Diego Freeway and a block west of Sepulveda Blvd. Take the 405 to Nordhoff, turn east and just after going under the freeway turn left onto Orion (there's a 7-Eleven at the corner). Go one long block and turn right onto Tupper. The address is 15532 Tupper; you should easily spot the antennas at 115'. Talk-in on 144.480 simplex.

CONTEST ADVISORY COMMITTEE REPORT

by Marty Woll N6VI

I was pleased to have visited two nice QTH's recently: the Cal Tech ARC for our May meeting and the home of Ray N6VR in June. I have been eyeing some higher-elevation homesites myself recently; maybe I won't have to go portable to be effective in the '87 VHF contests.

Those questionnaires on current contest issues which I handed out at Visalia are popping up all over the country. I suspect the sheer volume of responses will have some influence on the Comlte members, so I ask that you PLEASE take a few minutes to complete one and send it to me. Only two SCCC members have done so to date. I know many of you have given me your thoughts on the issues in person at club meetings - and I have passed them on to the other CAC members - but I think a large number of written replies will carry more weight. The questionnaire (abbreviated to exclude field day matters) appears in this issue of SCCCORE. Help me help you! 73, Marty N6VI

COMPUTER-PRINTED LOG FORMS

Marty N6VI has written a BASIC computer program to print pre-numbered contest log pages. The program is configured for WPX logs but can be adapted to any contest in which serial numbers are exchanged. See samples at the July meeting or contact Marty.

*** SCCC CLUB EFFORT FOR ALL-ASIAN CM CONTEST! ***

Ok, all you who said we don't do enough club efforts. Forget the summer contest doldrums... ALL ASIAN CM is coming! Those of you attending the March meeting at the W6AM ranch will recall that we decided to put in a serious effort for this one.

The contest runs from 0000Z August 23 to 2400Z August 24. Entry categories include single-op/single-band, single-op/all-band, multi-op/single-xmtr and multi-op/multi-xmtr (one signal per band). The exchange is RST + Age (RST + 00 for VL's). QSO points are given for contacts with Asian stations(*) only: 3 on 160 meters, 2 on 80 meters and 1 on all other bands. Multipliers are Asian PREFIXES (not countries) per band; WPX rules apply for "/" calls. Use separate logs for each band. Logs go to JARL Contest Committee, P.O. Box 377, Tokyo Central, Japan; they are due by November 30.

Our club objectives are to have fun (always a priority), to get as many SCCC'ers on as possible and, last but not least, to SWEEP all entry categories. This is an event which can be won from the west coast, so go to it!

In order that we get all the categories covered, please let me know your plans for the contest and the categories in which you feel you can be competitive. GL and 73... Marty N6VI

ALL ASIAN CW CONTEST

DATE AND TIMES: 0000Z 23 AUGUST till 2359Z 24 AUGUST 1986
CW PORTION

The SCOC is making the CW portion a maximum Club effort and solicits your help in either participating in a multi-operator effort or a single band effort from the location of your preference. There will be a number of multi-single and multi-multi efforts in the So. Cal. area so if you want to join up let us know and we will see that you are scheduled at one of the sites. Other wise we encourage you to make a maximum single or all band effort on your own.

The GOAL of the SCOC is to take FIRST PLACE in every North America category. The categories are listed below in last years results and Marty NGV1 will be coordinating the effort. If you don't have a place to operate and want to help one of the multi-operator efforts; your help will be most welcome. This Club GOAL is a high one and will take support from the members to achieve so join the fun and PARTICIPATE in one of the only contests that favors West Coast Stations!

Here's your chance to:

1. Meet fellow contesters.
2. Tune up those rusty CW skills.
3. Help contribute to the Club goal of winning all NA categories.
4. Introduce new contesters to a fun weekend of activities.

* Asian countries include: A4, A5, A6, A7, A9, AP, BV, BY, CR9, EP, HL, HS, HZ/7Z, JA, JDI (Ogasawara/Bonin-Volcano only), JT, JY, OD, S2, TA, UA9, UA0, UD6 (+UK6C/D/R), UF6 (+UK6F/O/Q/V), UG6 (+UK6G), UH8 (+UK8H), UI8 (+UK8A/G/I/L/O/T/Z), UJ8 (+UK8J/R), UL7 (+UK7), UM8 (+UK8M/N), VS6, VS9K/8Q, VU (all), XU, XV/3W, XW, XZ, YA, YI, YK, ZC4/5B4, 1S, 4S, 4X, 7O (both), 8Z4, 9K, 9M2, 9N, 9V and Abu Ali. Note that JDI's on Minami Torishima (Marcus) are NOT in Asia but in Oceania. The same holds for western Malaysia (9M6/8).

CALL NAME

PHONE # home work

YES, I'll be a single operator in the following category:

28mhz _____

21mhz _____

14mhz _____

7mhz _____

3.5mhz _____

ALL BAND _____

YES, I'll join a multi-operator effort _____

Yes, I'll host a multi-operator effort _____

MAIL THIS TO:

NEADI

BOX 62

Oakview, CA93022

OR

N6VI

15532 Tupper St.

Sepulveda, CA

91343

or

CALL (805) 649-3339 SK1

MINUTES OF THE MEETING - MAY 17, 1986

The May meeting was hosted by the Caltech Radio Club in and around the club station on campus, W6UE. An open house began at noon, and several Contest Club members came early to see the station. Just before the meeting started at 2:00pm, we took a tour of the antenna system which covers parts of four different buildings on campus - the largest single antenna being the 3.5 MHz extended double zepp - a 345 foot dipole 100 feet in the air, fed with open wire line (I can write this way if I want - I put that antenna up! -OTU). It points at the East Coast - that's Africa for you DXers.

On hand for the show were members Dick, N6AA; Chris, KG6AR; Irv, W6CC; Leon, W6HAL; Marty, N6VI; Morgan, N6JW; Paul, N6LL; Mark, W6OTU; Clayton, AD6P; and David, AA6RX. Visitors included Bill, W6BA; Paul, K16CQ; Joe, W17E; and Dennis, K2SX. Joe ultimately decided to join the club. Welcome, OB, and thanks.

The members present unanimously voted that the minutes should reflect a huge, heart-felt THANK YOU to SK1, N6ADI, for doing such a good job producing the club bulletin SCCORR every two months.

Marty, N6VI, gave us a well deserved tongue-lashing for not replying to the questionnaire he wrote and distributed at Visalia, in hope of receiving input from the contest operators regarding crucial Contest Advisory Committee topics. His photocopy bill alone has cost him plenty, and he's only gotten 7 (count 'em, seven) of the hundred or so he passed out, back. He cannot stress enough how hard it is to represent people who don't tell him what they think.

Brief discussion of upcoming contest activity for the Club reiterated the fact that Jim, N6TJ, will be coordinating the SCCC CW Sprint Teams for the September running of the Sprint, and that Jim and Marty will both coordinate a Club effort in the All Asian CW contest.

Those present then began grilling our out-of-state guests with different questions. Dennis, K2SX, told us all about 4U1UM. He had some interesting things to say about their non-existent power-level restrictions, and that they only have dipoles as victims of the building codes at the UK. DJ6LV and HB9RS are the hams there to talk to about operating from 4U1UM. Dennis also told us to look for K2LR in the Phone Sprint, operating from Vermont.

Joe, W17E, informed us about the state of contesting in Alaska. He operates with the KL7Y group out of Anchorage. (I think I got that right). His co-ops are Mike, N17G, and a 15 year-old N17GP. Their station consists of three 120' towers with beams, they have a 160 footer in the works, and their location is on a hilltop, and very quiet. Operating out of Fairbanks is KL7RA, who up until recently had a 125' tower topped with a 3-element Telrex Yagi, but now they've lost their site. Too bad. (My apologies if I got any of this stuff mixed up, Joe).

Joe was the target of information hungry contesters trying to find out what they sound like up there, and when the best time to work Alaska was. To this he could say that the Alaskans have a heck of a time getting through to us because everyone in the US proper always has KL7 off the side of their beams - and he added one short bit of priceless contest philosophy, speaking for the KL7s:

"If it's in a contest, you can't give up." ...We finished at 4:00pm.

As for my chastisement of the Club I am going to hold a mortitorium for the rest of 1986 on any chastising statements against the Club. I do feel that my previous statements were not meant to ridicule the Club but rather were to PUMP UP the membership to a point that some of us would increase our activity and might plan some operations from Southern California conducive to membership participation. I agree with Mark that it is nice to get together every two months for the aforementioned reasons but I also feel that in order for the club to generate new blood that it needs a base of operations that potential contesters and operators can participate in and learn from those of us that have been at it for a while. We have some real expert contesters in our ranks and it seems to me that there are alot of potential and existing contesters around that would like to operate a few contests with these WORD CLASS OPERATORS to see how the WINNERS are so successful.

The Club is growing and in order to make it grow more I feel that the club should hold at the minimum 1 formal maximum effort to give the members a opportunity to get together and show our wares, bring potential new members out to see the big boys in action and learn some new tricks. Maybe Field Day is the answer or maybe it's Q&W, no matter what contest the CONTEST CLUB should have at the least, one formal effort a year. I feel that if I am a member of a contest club I want to have the opportunity to contest with my fellow members otherwise should it be called a CONTEST Club or the SOUTHERN CALIFORNIA CONTESTS PAST CLUB? The point is that there are local clubs that contest more than the contest club? Don't make sense to me....

I am pushing for all you members to Number 1 fill out the questionnaire and mail it in and Number 2 voice your honest feelings about what you want the club to be and do.. I also am asking you all to increase the clubs formal contest activities to ONE formal operation a year with a multi-op location in San Diego, Orange, LA and Ventura Counties so we can get together and COMPETE

When I'm out talking to potential members and they ask what the contest club does I want to say that they get together and contest once in a while and they also meet every two months to share experiences, stories and good times.

If I am wrong about the CONTEST CLUB I can swallow my pride and admit it but if I am right about the club maybe I will have pushed us to the point of getting out there and CONTESTING! AND HAVING A GOOD TIME DOING IT! I guess the answers lie with each and every member as to what they want to do. Fill in Mark's questionnaire and mail it in!

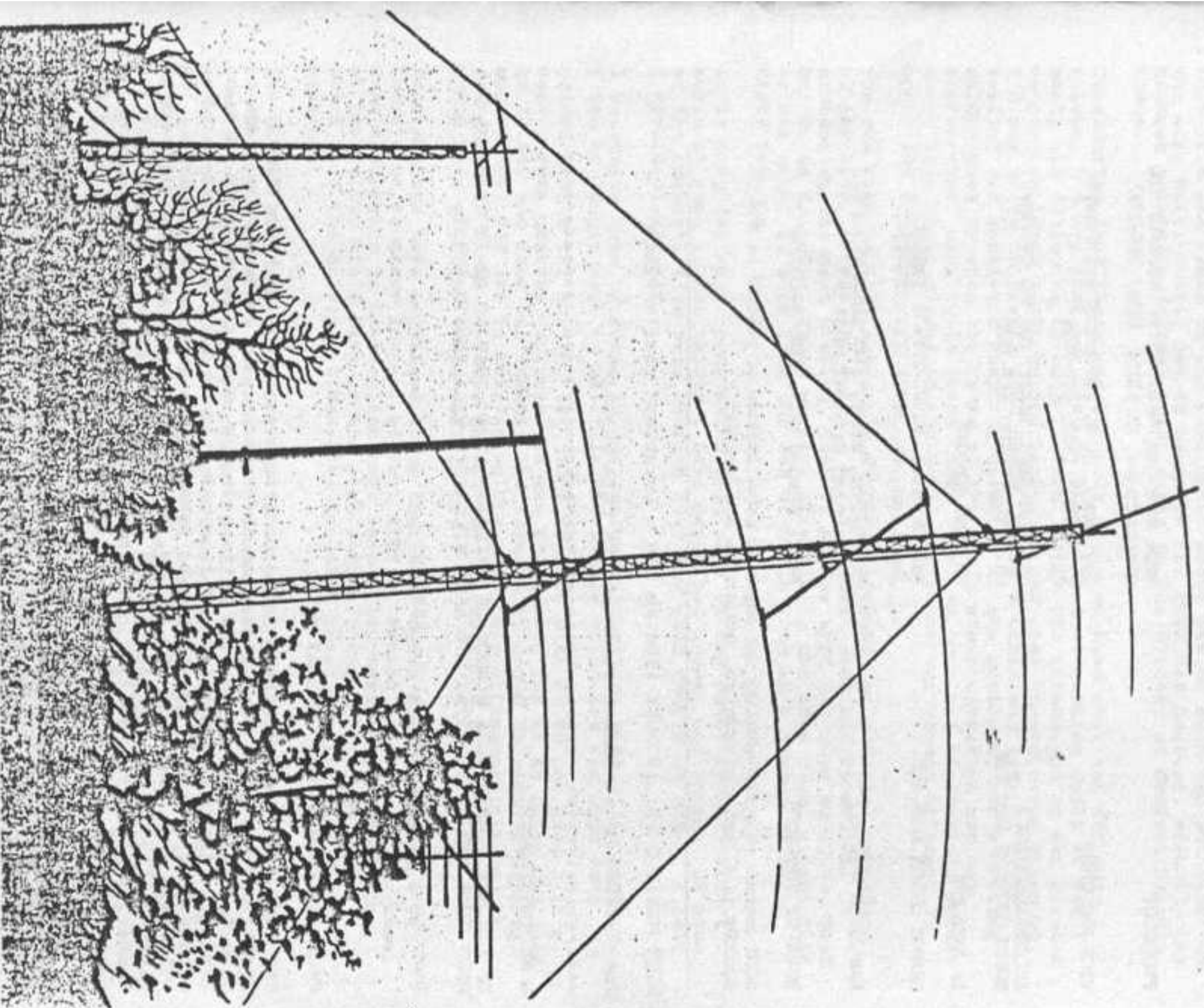
ALL VIEWS ARE WELCOME AND THE MORITURIUM IS IN AFFECT:

NOTICE: THE CAC SURVEY BEING SOLICITED BY N6VI WILL BE IN THE NEXT ISSUE OF SCCORE. IT WILL BE A TEAR OUT AND WILL BE PRE_ADDRESSED BACK TO MARTY N6VI.....

NORTH AMERICA	
DOMINICAN REPUBLIC	
#1111A	11 6 5 30

NORTH AMERICA				
DOMINICAN REPUBLIC				
*HIFA	11	6	5	30
PANAMA				
*HPIXR	7	20	14	230
CANADA				
*VEZAE	14	29	19	551
*VEEWY	14	28	19	512
*VERCS	11	118	52	6136
JAMAICA				
*6V3IN	11	15	11	165
USA				
*WJZV	19	21	5	105
*N1AM	15	186	36	6636
*WSRIP	15	114	29	4116
WTDRA,7	15	22	9	194
*W6RP	7	546	77	43042
*KANA	7	517	78	40256
*N6AW	7	503	75	3775
*KSNW	7	110	63	19530
*KCL	7	11	22	682
*K1X1M	7	28	21	588
*K1V5	7	23	14	322
*WFO	11	172	53	9116
*N6C	14	112	47	6204
*K1R2	14	127	46	5658
*KSR1Y	11	109	43	1687
*WDAIYE	11	88	38	3114
*KITW	14	72	36	2522
*W6K	14	62	36	2222
*KRWL	14	71	31	2201
*N6M	14	58	35	2030
*WAVTM	14	45	23	1035
*KJ1T	11	36	22	856
*KAS8B2	14	35	21	715
*W1IG	14	26	19	494
*KIDAI	14	21	18	318
*KWJ	14	17	11	238
*WEJ	14	12	12	110
*KRIR	14	12	9	104
*WIEND	14	9	8	72
SOUTH AMERICA				
URUGUAY				
*KXSBH	15	110	21	6070
ARGENTINA				
*LUEFMT	7	161	59	9499
*LUEWFL	11	102	68	6936
*LUFJ	11	103	19	1957
BRAZIL				
*PYIAPS	7	54	29	1566
*PYSAKW	7	23	9	207
*PYJFEW	7	8	2	16
*PYSAIR	11	79	45	3533
*PYIBC	11	70	46	320
VENEZUELA				
*VYTOP	11	9	7	63

SCCSCORE



NEXT MEETING 19 JULY AT N6VI with NEVER BEFORE
SEEN SLIDES OF:

ST. PETER & PAUL ROCK