

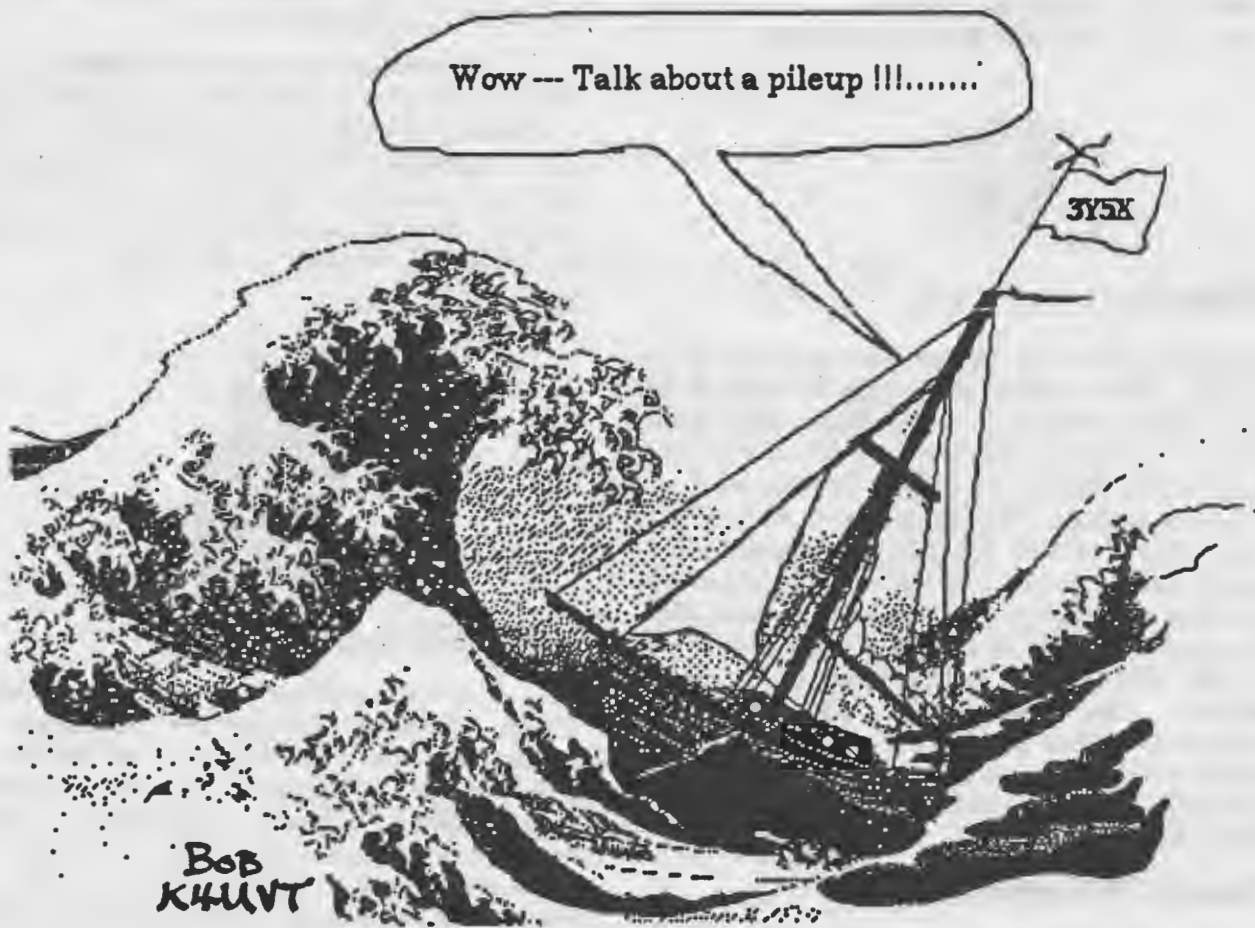
THE



DXer

March 1990

VOL XLIII - NUMBER 3



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The NCDXC DXer

March 1990

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March Events

- Mar 3-4 - ARRL International DX Contest (SSB)
- Mar 9 - NCDXC Meeting Palo Alto
- Mar 9-11 - Japan International CW DX Contest
- Mar 10-11 - Commonwealth Contest
- Mar 17 - Ireland Activity Day
- Mar 17-18 - BARTG Spring RTTY Contest
- Mar 17-18 - Bermuda Contest
- Mar 24-25 - CQ WW WPX SSB Contest



MEETING NOTICE

Friday the 9th will be the next meeting of the NCDXC. The meeting will again be held at the Royal Palace restaurant in Los Altos. The address is 4320 El Camino Real in Los Altos, 0.3 miles north of the intersection of El Camino Real and San Antonio Road. The meeting will start with no host cocktails at 6:00 PM. Sit down dinner will be served promptly at 7:15, with our program and business meeting getting underway about 8:30. The program should be an interesting one! Bruno, AA6AD, will present **Astronomy --- My Other Hobby**. Bruno will lead us through a short presentation that promises to reveal to us the wonders of the heavens and the cosmos, with slides provided by Chuck, AA6G and Gary, WB6EXW. Plan to be there !!

Visalia DX Convention

The 1990 International DX Convention is scheduled for April 6, 7, 8 (the first weekend in April). Pre-registration is \$40.00 and should be made payable to:

International DX Convention
c/o Don Bostrom, N6IC

4447 Atol Ave.
Sherman Oaks, CA 91423

Deadline for Pre-registration is March 23. Late registration is \$45.00. The Grand Prize will be the new Henry 3KD desk-top amplifier.

Gary Pesselt, WB6PSY for the SCDXC

Visalia DX Convention Golf Tourney

Just as a reminder, the "4th Annual International DX Convention Golf Tournament" is still planned to take place on Friday morning, April 6 at 0900, at the Valley Oaks Golf Course in Visalia, adjacent to the Grosvenor (Holiday) Inn convention site. The tournament will be an informal "best-ball" affair and will be organized into 4-some teams for play and lowest team score. We are going to get together with our fellow DX'ers from SCDXC and just have fun.

We already have several NCDXC members signed up to play in this event. If anyone else is interested in joining us, please contact me no later than Wednesday, March 28, so we can make the final arrangements with the course. I can be reached weekdays at (408) 752-3877 or evenings at (415) 967-8467, or on the PacketCluster.

73's de Ralph, AG6Q



RUSTY'S RAMBLINGS

We've got another new one! Last week the ARRL Awards Committee accepted the recommendation of the DXAC to add Walvis Bay, ZS9, to the DXCC countries list. They established the start date for contacts as September 1, 1977, the date on which administration of Walvis Bay transferred from Southwest Africa to the Cape Province of the Republic of South Africa. W3AZD will begin accepting cards for DXCC credit as of June 1, 1990. This addition removes one of the real anomalies of DXing. Up until now, contacts with Walvis Bay didn't count for any DXCC country at all -- not Southwest Africa, not the Republic of South Africa, not anything! However, if you were one of

the ones who snagged ZS9/DK7PE in the ARRL CW DX Contest a couple of weeks ago, the League has given its blessing to go ahead and count him as a multiplier.

The bands are buzzing this week with rumors that the B's are coming: Bhutan (A5), Bangladesh (S2) and Burma (XZ). With a bit of luck, and depending upon who you believe, we just might find ourselves standing around the bar in Visalia toasting to success in having had three of the rarest bite the dust! According to The DX Bulletin's survey of the world's most needed countries, XZ ranks #2, S2 is #7 and A5 checks in at #9. And these standings aren't even adjusted to account for the recent activity from Bouvet (3Y) and Laos (XW) which surely will bump the B's up a bit! So, any way you cut it, make sure your radios and antennas are ready real soon.

Friday, March 9 will be a night for stars! Bruno, AA6AD has teamed with Chuck, AA6G and Gary, WB6EXW to present the program at the March NCDXC meeting. Their presentation, entitled "Astronomy -- Our Other Hobby," is geared to get us thinking about our world and the universe around us. You don't need any prior astronomical expertise for this one -- just come with an open mind, a curiosity about what's out "there," and a desire to be dazzled by some beautiful photography. This sounds like a fun one for family and guests, so don't be shy with invitations.

Congratulations to the Repeater Committee (plus a few other friends) for getting the new controller built and installed at the W6TI site on Black Mountain. There is an article by Committee Chairman W6JZU elsewhere in this issue of The DXer discussing the new controller and explaining how it works. The controller has been a long time in coming, and to all of you who were involved with the project, our sincerest THANK YOU!

Hmmm.... Did we start something? In my column here in "The DXer" last September, I questioned the appropriateness of certain QSLing practices. Several other newsletters and magazines picked up and reprinted parts of that editorial. Well, it seems to have hit a nerve! There has been lots of mail. The majority of the writers have expressed views generally in accord with those in the editorial. A couple, however, disagreed vehemently. At any rate, I think public awareness and discussion of the issue is good for

DXing, and if NCDXC is in some way responsible for that debate, then I say good for us! One result of the discussion has been that both the RSGB and the REF are introducing position papers on the subject of QSL manager practices at the IARU Region 1 meeting being held in Spain next month. "The DXer" staff managed to get their hands on copies of the British and French proposals and has reproduced them elsewhere in this issue. I hope you will find them to be thought provoking.

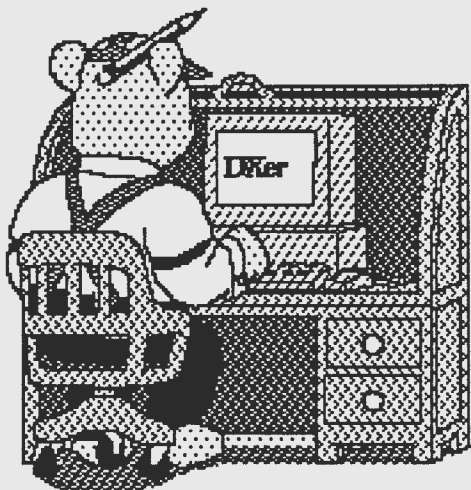
The International DX Convention will be held in Visalia the weekend of April 6 through 8. From what I hear, this will be the biggest convention ever! The Holiday Inn has been booked solid for ages, and even some of the other nearby hotels which had been picking up the overflow are now full themselves. Lots of overseas DXers have told me they plan to attend, so this will be a great opportunity to meet personally many of the folks we've been working all these years. And I have a favor to ask of NCDXC members. Don't forget that all the hustle and excitement of Visalia can be awfully intimidating to some people, particularly the newcomers to DXing who might not know as many of the regulars as we do. Please stay alert as to who might be sitting off by themselves on the sidelines. This is "our" convention and we need to make sure it's enjoyable and memorable for everyone. So, if you do see somebody looking a bit overwhelmed by it all, go over and introduce yourself. Perhaps you'll make a new friend, or perhaps you just might be the one to make the Convention real special for somebody else.

Because of the Visalia convention, there will not be a regular NCDXC meeting on the second Friday of April. We'll try to remind everybody of this again on the Thursday night W6TI nets, but you might want to make a notation on your calendar just to keep you from forgetting.

73's de Rusty, W6OAT



OUR DX AWARD OF THE YEAR TENTATIVELY GOES TO OUR NEWCOMER, HERE, AS SOON AS HE GETS THE QSL CARD --- HE CALLED HOME!



BOB'S BABBLINGS

Wow --- Another issue just chock full of interesting items !!! We've got several articles on QSLing practices, as Rusty mentions in his "Ramblings" as well as one regarding the W6-QSL Bureau, which is near and dear to all of us.

We also have several updated inserts in this issue. Hal, N6AN, has provided a handy condensed but comprehensive list of all the DX Packet Spotting Network commands. This list will fit nicely on your wall or under the glass on your operating table --- and it will save you having to muddle through the manual to find 'em. Larry, KD6XY, has updated the NCDXC DX and WAZ Ladder listing. Larry asks us to note the sample format included, which can be used in future reports as new figures for the WARC bands start coming in, and welcomes any comments you may have on the new format.

Preliminary results for the ARRL DX Contest are provided courtesy of Ace, N3AHA. So far, we've got 10 Meg +++, and that's just for the CW weekend !! Last year we did about 27 Meg ++, royally cleaning SCDXC's clock and retaining the trophy for two years in a row. Can we do it again? Of course we can !! And without hardly even trying either, I bet. Every point helps. Many NCDXC members are not contesters, but that's not the point. I've always felt the DX contests are great opportunities to pick up new countries, zones, etc., due to the large number of DX stations participating in the test --- and to just have fun working 'em !! However, your score submitted to in behalf of the NCDXC does ensure that we keep the

trophy up here in the North. I haven't heard any really good intelligence on how the fellows in the South did during the CW portion, but I venture to think they just might be getting tired of being blown away in the club competition, and just launch an un-announced offensive against us. But we'll be ready for them ! Summary sheets should be submitted to Ace, N3AHA, no later than 30 days after each portion -- CW and SSB.

Good DX & CU in the pileups !!

Best of 73's de Bob, K4UVT, NCDXC Editor

QSLing PRACTICES - IARU VIEW

Region 1 of The International Amateur Radio Union is having a division conference in Spain in early April, 1990. Both the RSGB (United Kingdom) and the REF (France) have submitted proposals on the subject of QSL managers which they are urging the IARU to adopt. In light of the opinions on that same topic in the September, 1989 issue of The DXer, I thought you might find the position statements of these two organizations to be of interest:

Document 90/TS/C3.25

Code of Practice for QSL Management

RSGB (U.K.)

1. Any DX station appointing a QSL Manager must ensure that satisfactory arrangements are in place for receiving and responding to incoming bureau as well as direct cards. Adequate publicity must be given to such arrangements.
2. QSL Managers must respond to incoming SWL cards.
3. Any DX station appointing a QSL Manager must accept responsibility for that Manager's performance.
4. QSL Managers must respond "direct" and within a reasonable period of time as long as sufficient funds/IRCs/stamps to cover the exact cost of return postage (and a return envelope if one is not supplied) are enclosed with the request. Air mail must be used if sufficient funds/IRCs/stamps are enclosed.
5. QSL Managers must not insist on separate envelopes/applications for different QSOs or different stations. They must establish internal procedures to handle such multiple requests.

6. Recognising that mistakes of time and/or date are frequently made, QSL Managers must make a reasonably diligent search for QSOs that cannot immediately be found in the log.

7. In particular: It is unacceptable to demand a specific number of IRCs or "green stamps" (US\$ bills) if a smaller number would cover the costs mentioned in Point 4. It is unacceptable to return cards via the bureau if they were received direct with sufficient funds/IRCs/stamps as defined in Point 4.

8. There should be no time limit for applying for QSL cards. Old logbooks should be passed to responsible DX Clubs when the manager no longer wishes to retain them.

It is recommended that this paper be published in the HF Manual and Region 1 News.

Next came the French with document 90/TS/C3.36

QSL Manager's Code

REF (France)

CONSIDERING

that the great demand for cards from rare countries has given rise to the institution of QSL Manager, a corps of radio amateurs who volunteer to act as QSL administrator on behalf of amateurs located in sought-after countries;

that tribute should be paid to the performance of these QSL managers, who during many years spend their energy and their spare time in the service of radio amateurism, without any return;

that, however, in a few regretful cases, the radio amateurs find themselves confronted with a QSL Manager whose operation is not up to par;

that experience has learnt that a malfunctioning QSL Manager can create a world-wide discontent and commotion;

that, although QSL Managers act as individuals, not commissioned by a member society or IARU itself, their activity is closely linked to the smooth functioning of the known awards of world reputation;

that the IARU and its member societies have set up and operate a world-wide QSL Bureau organization through which pass practically all the world-wide issued QSL cards, including those

destined for the obtention of the above mentioned sought-after cards;

that many or most QSL Managers make use of the IARU QSL Bureau organisation (incoming, outgoing or both);

that the incidents that have taken place justify a reflection on IARU level whether measures are called for so as to avoid incidents in the future;

PROPOSES:

in the first instance, to draw up a "QSL Manager's Code" which could be widely published in the amateur press and therefore become widely known and accepted by the DX fraternity as the standard of good behaviour;

SUGGESTS:

that such a QSL Manager's Code also constitutes a tool which can be used by the award issuing member society or any other body in case difficulties arise in the normal forwarding of cards destined to obtain their awards (for example, by having the Code signed by the Manager);

FURTHERMORE SUGGESTS:

that such a QSL Manager's Code could stipulate among other clauses the following points:

-the QSL Manager is a volunteer who puts his efforts to the service of his fellow radio amateurs, without any return, retribution or advantage of any kind;

-the QSL Manager aims at forwarding the cards entrusted to him by his mandator within a reasonable time span and at lowest cost possible;

-the QSL Manager, fills out his mandator's cards in accordance with his mandator's log sheets;

-the QSL Manager who uses direct mailing accepts the reimbursement of the mailing cost by means of the number of IRC's as prescribed by his local post office. He will not accept any payment in money;

-the QSL Manager, for cards to be sent within his own postal territory, accepts the stamps valid for use in that territory;

-the QSL Manager refrains from criticising the layout or contents of the cards destined to his mandator;

-the QSL Manager who uses the services of the QSL Bureau within his country, acts in conformity with the latter's instruction.

It will be interesting to see what, if anything, the IARU adopts as its position on QSLing!

73's de Rusty, W6OAT

..... AND AS VIEWED BY A FAMOUS DXer

A recent issue of the DX News Sheet from Britain carried a note from Baldur Drobnica, DJ6SI (as translated by G3YMC) giving his thoughts on QSLing:

"In DXNS 1398, a reader (sadly for me no callsign was given) complained that he had received a QSL card bearing a rubber-stamp confirmation. This is done with all QSL cards sent only with an SASE (German stamp). In this case, I send no QSL card -- which cost me 0.5DM [1 DM = US \$0.58] each. I printed 7,000 QSLs for 3D2SI at a cost of 3,500DM and the DXpedition cost the operators 7,000 DM each. It is fun to plan a DXpedition and to organise and carry it through, but somewhere the costs must also be considered. DXers must decide what they want -- a confirmation (QSL) for a new country for DXCC -- or a pretty QSL for their collection or the pinboard. In the first instance, the rubber stamp is adequate; I assume that when the DXer sends no IRCs, no green stamp, etc., then the simple confirmation, i.e., by rubber stamp, is adequate. I received my first "rubber stamp" confirmation in 1961 from Danny Weil's FO8AN DXpedition. It is not a German invention!

Then there is the bad habit, which greatly delays cards, of applying for cards for several DXpeditions at the same time...probably for economy reasons and often with a single \$. I always deal with one log at a time, but such applications mean changing from 3D2 cards to A15... 5UV386 ...5V7 ...TY ...5L, etc, etc. This must stop! For all DXpeditions, I now make the following stipulations:

1. After the end of a DXpedition, I will set a period of seven (7) months to answer QSL cards. Cards received after seven months will no longer be answered and will go back via the buro.

2. All QSL cards for all my previous completed DXpeditions will no longer be answered if they arrive after the deadline of 31 June, 1990.

I have here twelve different boxes for twelve different DXpeditions. They will never all be used. My son writes all the old DXpedition cards, myself the more recent ones. He gets 12p [12p = \$0.05] for every letter. I am still receiving cards for DXpeditions in 1980...why? Every QSL Manager must have his system, especially when he does 3-4 DXpeditions in a year, with every one producing 7-8,000 QSO/QSL. My system of priorities when answering QSL cards is as follows:

1. Sent with more than \$2
2. Sent with \$2
3. Sent with 2 IRCs
4. Sent with \$1
5. Sent with 1 IRC
6. Sent with SASE (DL stamp)

Cards sent with no return postage are answered via the buro. Any DXer who does not agree with this system should not call me in the pile-ups. He should wait for another DXpedition which may be cheaper for him. We live in a time when Olympic competitors already receive financial rewards. This was not allowed before. Are we the TRUE amateurs? Ham spirit? With me that begins with forbidden goals and our operating techniques, not with the QSL which arrives one year later. Other DXpeditions print their QSLs a year later; everyone gets his card from me if he is in the log -- which in 5% of cases is not the case -- and it is sent direct. One should also not overcharge. I keep a record of all monies received for each DXpedition. Then I can often prove the one who writes "\$5 sent but no QSL" only sent 1 IRC!"

73's de Rusty, W6OAT



W6 QSL BUREAU THOUGHTS ...

[W6OAT received the following letter from W6LPJ of the Sixth District QSL Bureau in response to a couple of questions he asked. Since it contains a few hints on the inner workings of the bureau, we thought you might enjoy seeing it. - Ed.]

Dear Rusty,

We do not divulge the managers' names or calls to anyone. If a manager wishes to do this on his own, he/she may do so, but we strongly discourage it for several reasons.

Your particular manager does not normally attend the Visalia DX meeting. However, if you see anyone there with an ARRL Badge that is "rust" colored and has "QSL Bureau Worker" under his call and name, he/she is a legitimate worker and would appreciate any kind of thanks you could give.

Our bureau is divided into 26 segments, one for each letter of the alphabet. The letter following the "6" designates which segment your call falls into. Each segment has a manager who takes the QSLs, envelopes, stamps, funds, etc. and sorts them into a "Callbook" type of order. That manager then either files or mails the QSLs, usually once every month or six weeks if there is an ounce or more, or whenever an ounce of QSLs is reached, or when the first QSL(s) have been in the file around three months.

73, Archie R. Willis, W6LPJ, General Manager
Sixth District QSL Bureau

73's de Rusty, W6OAT

Editor's Notes on the subject

Earlier this month, a club member received correspondence from the Buro that indicates "WE WILL HAVE A NEW MANAGER SOON - FOR BETTER SERVICE". This same member sent a letter to the Buro saying --- " I love to send QSL cards, and I also love to get some back !! " --- Perhaps there is hope for the buro yet .

Also, a recent message on the Packet Cluster (via K6PBT) gives us an insight into the Bureau's "trashing" policy. Another club member came across this one whilst cleaning up his files; the message was somewhat garbled, so we can't vouch for total accuracy. The readable part says :

"A recent conversation from a local QSL Bureau member brought up an interesting if not sad, condition. That is: that most of the overseas QSL cards are simply thrown in the trash because the call area Ham does not have any envelopes on file. They usually wait 90 days to trash them, but no one ever seems to remedy their problem. With the number of cards coming in, you should not depend on the Bureau sending you a reminder slip

to send more envelopes. Also envelopes are never thrown away, so some have 17 cent stamps on them.

It would be a good idea to publish a note in your next club newsletter to notify Hams that their QSL cards may be getting trashed because they have failed to keep envelopes on file. "

'Nuff said on that one --- keep your envelopes current at the Buro !! Anyone else have any views on the Buro they'd like to share with the readership?

Bob, K4UVT, NCDXC Editor



WE HAVE OUR NEW REPEATER CONTROLLER !!!

"B-E-E-E-P"

It's only 20 ms. long, pure and melodic, and 500 hz. It follows each transmission as the carrier is dropped. Yet, it took some 5 years, 5 club presidents, 5 Boards of Trustees, 3 Repeater Committee chairmen, and a thousand "volunteer consultants" (or did it only seem like that many?), and Pete, to finally get the "beep" installed.

"The simplest things in life are often the most complex".

The club repeater was installed on Black Mtn. many years ago for the purpose - then and now - of providing reliable and uncomplicated communications among club members for the dissemination of DX information. At that time, as now, reliability is considered to be of the highest order of priority. The site is not easily accessible and access has to be carefully controlled. Therefore the system - including back-up power, antennas, and housing - had to be designed for the lowest level of maintenance, and the highest level

of reliability attainable. In the intervening years, I cannot recall the system being down even once, except for routine maintenance, and occasional turn-offs due to someone calling in on the telephone line, usually due to a wrong number dial. Oh, yes, the emergency power system had to kick in occasionally, once for over a week, yet the repeater always came up and total communication was rarely, if ever, lost due to equipment failure.

The old system, reliable as it was and is, provided only a very limited number of control functions. When the PL was on, the Timer had to be turned off, etc. In the meantime, commercial controllers became more versatile, reliable, and offered a broad range of options.

Finally, Pete, WB6OOL, with the help of Rod, KR7E, installed and configured the new controller. (Pete and Rod designed and built as required, the original and still-in-use GE Master Pro II, and it has been Pete who has maintained the system all the intervening years.

The controller is an ACC, Model RC-85. It is full-featured and user programmable. Control is still via a dedicated fone line, but utilizes touch-tones for all control functions, and therefore is not subject to being turned off by fone falsing. The many features include 25 message buffers (in both CW or synthesized voice), many timers, autopatch and autodialer, remote control logic outputs, selectable courtesy tones, noise and kerchunker filtering, etc., etc.

Most of these functions will not be used but will be available as required in the future by the club, or can be activated in the event the repeater is used for an emergency.

Two new features that by now users will have noticed, are the shortened time it takes the system to come up to full power. The Courtesy Tone is activated when a carrier is dropped and with the much longer 3000 ms. "hang-time", eliminates the first squelch tail. An additional accessory board to the RC-85 shortened the full power rise-time by about 75%.

The Repeater Committee will be meeting this week to discuss, among other things, possible future needs for the repeater in order to maintain its reliability. The antenna system and the emergency battery back-up system, both well over ten years old, will probably need to be replaced before long.

The club's **THANKS** are surely extended to Rod and especially to Pete and to all of the many other repeater committee members, various technicians, and club board members, whose efforts and occasional "jibes" finally resulted in the current upgrade.

*de "Smitty" Smithwick, W6JZU, NCDXC
Repeater Committee Chairman*

3Y5X - BOUVET OPERATING PRACTICES

[Here is an interesting squib lifted from the February '90 issue of "The Bullsheet," the newsletter of the Texas DX Society. - ed.]

IT'S DE-JA VU ... ALL OVER AGAIN!

Have you been as appalled as I have by all of the stupid goings on during the recent 3Y5 operation? I recently stumbled across an article in QST that I think goes to the heart of the matter. When you have read it, make a guess as to when the article was written. It would appear that things haven't changed much.

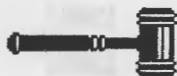
"...For the past several years, there has been article upon article printed in QST about proper and improper methods of operating an amateur station, especially as it relates to calling CQ, and CQ DX. Broad signals, repeatedly calling not to mention many other thoughtless and deliberate discourtesies of which so many amateurs at one time or another are guilty. Today we seem to be in as bad or worse disorder than ever before. One only has to listen to a DX pileup on phone or CW to hear living proof of our sorry state of affairs.

"Since last August I have been attempting to keep various DX skeds, especially with Australia. It has been all but impossible to hear anyone outside the country due to about 90 percent of the many W operators blating out "CQ DX" and wiping out the DX in the process. I continue to be amazed at how these poor ops are really screwing up the DX they are trying to work.

"I have a letter from ZL1FW in which he states, I am occasionally bothered by local QRM, but most of it is from Stateside, and you chaps over there not only blot out the DX, but each other..."

I have edited this article considerably, but the thoughts certainly apply today. So you think we are the only bad guys on the block? This article was written by W9CKQ and first appeared in QST in June of 1929!

de Jim, N5DC



February BOD Meeting

The February, 1990 NCDXC BOD meeting was held at the Royal Palace Restaurant in Los Altos, prior to the regular meeting. Rusty, W6OAT, presided.

Items:

1. The need for a chairperson for the 1991 International DX Convention was discussed.
2. A committee to choose this year's 'DXer of the Year' was appointed by the board. Appointed members: W6VG, W6ISQ and N6AN. The procedure is for the appointees to select two more committee members.

February 1990 NCDXC Meeting

The February general meeting was also held at the Royal Palace Restaurant, with president Rusty, W6OAT, presiding.

Items:

1. Rusty announced the 'DXer of the Year' committee selections.
2. Jim Maxwell, W6CF, gave a talk on DXAC history, duties, including new country DXCC-accrediting procedures.
3. First readings were held for:

C.W. Chandler, W7LDJ
7500 Putman Road
Vacaville, CA 95688

Jim Pratt, N6IG
1180 Arroyo Grande

Sacramento, CA 95864

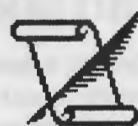
✓ Dave Armstrong, AA6PI
45 Washington Park Avenue
Mill Valley, CA 94941

4. Second readings, all voted affirmative, were held for:

✓ Mike Wood, N6MVE
✓ David Stamm, AA6PG
Thomas Wood, N6IXX
✓ Steven A Wright, N6RLJ

Respectfully submitted,

Dave Barton, AF6S, NCDXC Secretary



DXer OF THE YEAR

Break out your quills, pens, typewriters or computers and write down your nomination for whom you think is the most deserving club member for the coveted annual DXer of the Year award. The criteria which will be considered for this award can be found in the NCDXC Procedures Manual, paragraph 3-115.

Now we know you don't remember where you put your Procedures Manual, so we will give you a few hints as to what you should write. Your nominee should have some or all of these attributes plus some we haven't thought of yet:

1. Participates in club activities. This covers a wide spectrum. Service as an officer, director, DXer editor, repeater committee, other committees or any other worthwhile club endeavor.
2. An active DXer. Winner of major DX contests, winner of awards such as 5BDXCC, Honor Roll, etc. Participant in DXpeditions and DXpeditions putting a new country on the air for the first time.
3. Amateur-related appointments and service. ARRL offices, committees or assignments, etc.
4. Service to the public. Service in emergencies, promoting international goodwill, assisting

potential or new amateur radio operators and conducting amateur-related training programs.

A committee of five will review and carefully consider each nominee. To assure sufficient time to have a fancy plaque made for the winner, for presentation at the International DX Convention in Visalia, your nomination should be received on or before March 15, 1990.

Send all nominations for DXer of the year to the Chairman, Ron Panton, W6VG, 5 cedar Court, Menlo Park, CA 94025.

de Ron Panton, W6VG



FROM THE RADIO BOOKSHELF

This is a brief review of a book that I am sure would be enjoyed by anyone in our hobby. The title is QTC (I have a message for you), by SPARKS, who is actually a seagoing radio officer by the name of Ray Redwood. It is a collection of many stories and accounts of early day radio history from the eyes of a radioman. His detailed account of the sinking of the Titanic from the logs of the radio operators is so well done that one can actually feel he is on duty as all the action takes place. It is available from Sequoia Press, 2502 Cockburn Dr., Austin TX 78745, for the price of \$8.95 in paperback. I included \$1.50 for postage and it arrived in less than 10 days. This is some of the best radio related reading I have ever had, and I am glad to add this book to my library.

de Dick Letrich, WB6WKM

25 YEARS AGO

(A nostalgic account of the NCDXC meeting in March 1965 --- sound familiar ??? -- Ed.)

Club Officers.

President Ron Panton, W6CBE (W6VG), VP Curt Roche, W6ZMW, Secretary-Treasurer Ray Eichman, WA6IVM, and Directors Rich Wilde, K6OHJ and Jack Brolier, K6ERV present.

Club call is W6TI. "In memoriam to Howard Greer, charter member, 1946 ". Club call custodian is Rick Hilding, K6VVA.

March 1990

ARRL DX Contest.

SSB scores reported (contacts/multipliers) are

K6AHV (W6RJ) - 172/88
K6OHJ - 171/86
W6LDD - 161/87
W6WX - 163/83
K6ERV - 168/74
W6LCF - 124/67
W6BSY - 128/74

CW scores reported (contacts/multipliers) are

K6OHJ - 264/128
K6ERV - 262/123
W6KG - 251/121
W6WX - 239/122
W6LDD - 227/114
W6BSY - 161/101

DX On Now --

AC3PT - Sikkim (Gus Browning, W4BPD)
VS(MG, VU2NRA, HZ3TYQ/8Z5, 5V8AB,
TL8SW, ZM7AE (Tokelaus)

NO DXer EDITOR now. Curt Roche is head volunteer until someone can be found to take over.

W6KG is leading WPX with 650/700. DXCC Mixed : W6AM -- 311/336, W6GPB -- 306/327, W6UJ -- 304, W6KEV -- 300/326, W6BSY -- 292/307, W6KG -- 286/306, W6PHF -- 265/275, W6RGG -- 131/166. DXCC Phone : W6AM -- 306/330, K6VVA - 256/272, W6LCF -- 248/259, W6BSY -- 226/231.

FOR SALE : 200 cycle filter for 75A4 by W6KG.

MARCH MEETING : Thursday at Taddy's Steak House, San Mateo. 32 members present. Visitors were VK5FH, WA6DJI and W6KEK.

POTPOURRI : W6WX motioned for the club secretary to write ARRL to request shortening DX Contests to a single 24 hour period for each weekend, phone and cw. There was unanimous approval. Lloyd and Iris are beginning a DXpedition in August. The California Award (# 71) goes to VK5JE. The film "DXpedition to Bechuonaloland" was shown. W6ATO said his DX test logs had not been received by ARRL. W7WJB motioned for all who are active in the test to send

information to the club secretary, who will notify Ellen White at ARRL as to who sent in logs. Meeting adjourned at 10:52 PM. Signed by WA6IVM.

Mni tnx to Jack Troster, W6ISQ



WZ6Z WINS WPX TROPHY !!!

Congratulations and a FB job to Howard Brainen, WZ6Z, and his team of N6IG, K3EST/6, WA6VEF, K6TMB, N6RO and VE7NKL. The WZ6Z team has captured First Place for the USA in the multi-operator, multi-transmitter division of the 1989 CQ WorldWide WPX SSB Contest. This victory qualifies the team for the Glenn Tracey, KC3EK Trophy. The winning score of 18,737,170 easily beat the nearest USA competition by almost 11 Meg points, and has established a new USA multi-multi record to boot !! This score also qualified for 4th in the world --- Great Showing !

As reported in CQ Magazine, March 1990



de Lloyd and Iris

(The DX'er Editor recently received the following letter, dated 21 January 1990, from the globe-trotting Colvins. This letter comes to us from Manama, Bahrain, in the Arabian Gulf)

Dear Friends,

We have just concluded our operation in the Arab Country of Bahrain as A92QL. We made 5000 QSOs with radio amateurs in 126 countries.

Everyone has helped us to get a special license that is not in the normal sequence of assignment. The President of the Bureau of Wireless Licensing, Abdulla S. Al-Thawadi, A92BE, A92BW and A92EV have been especially helpful.

We operated from a 7-story building overlooking the Arabian Gulf. We had good propagation and no TVI.

The value of our US dollar continues to decrease. Our one-month stay here was the most expensive of all of our DXpeditions.

We go next to Oceania. Hope to see all of you from a country there.

(And....., we also received the following letter, dated 7 February 1990, which comes from Annangrove, Australia)

Dear Friends,

We have just concluded our operations as VK2GDD. This was not a planned stop on our round-the-world trip. It was a good operation with 4,000 radio amateurs worked on all bands 10 thru 40 meters, phone and CW, with 142 different countries -- all within less than two weeks.

The following made this possible :

1. Our YASME director in Oceania, Heather, VK2HD, contacted many amateurs in Australia and made arrangements in advance for us to stay at the QTH of VK2BJL, Harry, and his wife Mary. We used Harry's antennas and our own equipment; Mary did the cooking. It was a perfect location in a small town near Sydney. The QTH was on a hill and not near other houses.
2. We obtained our VK licenses immediately upon arrival with no delay.
3. Harry, VK2BJL, advised us on the best times and frequencies to work DX.
4. Both Harry and Mary put up with our operation at odd hours, day and night, and fed us with our favorite foods.
5. The Wireless Institute of Australia had us speak over their Sydney radio station and also at a special meeting of the WIA.

We go next to New Zealand, where we already have the call ZL0AKH. Watch for us using that call.

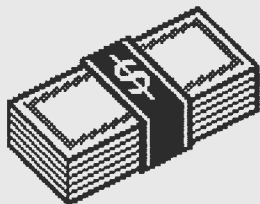
73's de Lloyd, W6KG and Iris, W6QL

IRELAND ACTIVITY DAY

On March 17th next, the IRTS shall be promoting an Irish Activity Day, begorrah. The aim of this activity (which is not a contest as yet !), will be to put as many Irish counties as possible on the air to help deserving hams everywhere to achieve the Worked EI Counties Award.

Blimey, ye blokes, get in there and work those rare Irish counties while ye may !!

Adapted from the IRTS Newsletter, December 1989



Treasurer's Report

Feb 1 to Feb 28, 1990

Checking Account Activity

January 1990 E.O.M. Balance	\$5,800.05
Deposits from Dues	\$198.00
Other Receipts	\$165.00
Subtotal	\$6,163.05
Accounts Payable (See Notes below)	\$2,141.16

Current February 1990 E.O.M. Balance \$4,021.89

Savings Account Status

Bank of America, as of 02/15/90	\$12,594.74
Includes QSL Reserves	
American Savings, as of 01/19/90	\$8,375.29
One year C.D. @ 8.65% matures 7/24/90	

Repeater Fund

Balance as of 02/28/90	\$1904.41
(See Note 1 below)	

NOTES :

1. \$1400.00 transferred from NCDXC checking account to NCDXC Repeater Fund to maintain repeater fund balance between \$1500.00 and \$2000.00.

2. Filing Fee of \$2.50 paid to Secretary of State for Non-Profit Organization Statement.

de Stan Kuhl, K6MA, NCDXC Treasurer

FLEA MARKET SEASON ...

Just a reminder that it's Flea Market season again at Foothill College! As before, it's on the second Saturday of the month in parking lot B.

March 1990

The seller's fee is \$10.00 this year. Further info and talk-in can be found on the 144.67/145.27 SPECS repeater (W6ASH). C U there !

de Bob, K4UVT

ROSTER CHANGES

Please make the following changes to your NCDXC rosters :

(No changes noted this month)



Radio Amateur's Home for Sale in Danville

We are about to place our beautiful home in the desirable Greenbrook area of Danville on the market and move to a smaller one about a mile away. This is a rare buy for a radio amateur wishing to avoid the now-standard CC&Rs prohibiting outdoor antennas.

- 2,435 sq ft in prime condition
- 4 bedrooms, 2 1/2 bath, hardwood floors
- Attractive landscaping, patios, brick paths, courtyard, large deck shaded by grape arbor and made fragrant by a 30-ft magnolia
- Citrus, peach, nectarine, persimmon, apple trees; raised planting beds; sprinklers
- Probably the only planned community in San Ramon Valley permitting visible antennas
- TH3MkIII tribander, 220V for amplifier
- On 23-acre creekside private park with large clubhouse, olympic-size pool and tennis courts
- Iron Horse Trail: 20-mile linear open space at back door for hiking/biking
- Quiet street in well-maintained neighborhood

Call Pat , AK6T, or Judy at (415) 837-3478

Paid Advertisement

**THE NORTHERN CALIFORNIA DX CLUB,
INC., PO BOX 608, MENLO PARK, CA 94026**

The *DXer* is the bulletin of the NCDXC and is published monthly for the benefit of its members. Permission to use any portion of this publication is hereby granted, provided credit is given to the *DXer*.

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President: Rusty Epps, W6OAT
Vice President: Larry Souza, KG6GF
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Treasurer: Stan Kuhl, K6MA
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Director: Chuck Vaughn, AA6G
Director: John Cronin, K6LLK

DX'er STAFF

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Production: Ron Panton, W6VG
DX Ladder: Larry Bloom, KD6XY
Data Base: Martin Oppenheimer, KB6BW
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Bob Dorsey
P. O. Box 61733
Sunnyvale, CA 94088
-or- via PacketCluster
Send DX ladder reports to:
Larry Bloom
2520 Heather Lane
San Bruno, CA 94066

NCDXC REPEATER W6T/R

Output 147.36 Mhz, Input 147.96 Mhz
Trustee: Bob Vallio, W6RGG
Repeater Committee Chairman:
Smitty Smithwick, W6JZU
Suggested simplex freq.: 147.54 Mhz

NCDXC THURSDAY NIGHT NET

On W6T/R Thursday at 8:00 PM local time.
Operations Manager: Ralph Hunt, AG6Q
DX News: Bob Artigo, KN6J
Propagation: Al Lotze, W6RQ
Contest News: Rich Hudgins, WX6M
Westlink: Dave Bottom, KD6AZ
Swap Shop: Ben Deovlet, W6FDU
933 Robin Lane
Campbell, CA, 95008
408/374-0372
QSL Information: Mac McHenry, W6BSY

NCDXC DX BULLETIN BROADCASTS

Trustee: Bob Vallio, W6RGG
W6TI, the NCDXC memorial station broadcasts DX bulletins each Sunday at 1800 PST (Monday 0200 UTC) on or about 7.015 Mhz and 14.002 MHz.

DX is EASY with DXLOG !

QSLs *still* sitting in a shoebox?
Paperwork a hassle for award submissions?
No problem! Let DXLOG do the work for you!

DXLOG™ is the complete DX tracking system for the IBM PC

DX'ers in over 40 countries are praising DXLOG release 1.3...

- * DXLOG produces worked/confirmed lists by band, mode, and CQ zone.
- * DXCC countries and CQ zones are **automatically** determined by callsign.
- * The **complete** DXCC list is included. You can even add new countries!
- * Print Logbooks, QSLs Needed lists, QSL labels, beam headings and more.
- * **Automatically** know when to apply for new awards & endorsements!
- * Print completed DXCC & WAZ award forms. Just sign them!
- * *Quick, easy, profesional. No copy protection. Customer support hotline!*

Send check or M.O. for \$39.95 (add \$5.00 shipping outside US/Canada), or \$5.00 for a functional DXLOG Demonstrator disk and manual to :

PAYL Software, Dept. X
P.O. Box 926, Levittown, PA 19058-0926
(215) 945-4404

Include your callsign and specify 3.5" or 5.25" floppy. PA residents add \$2.40 sales tax.

1990 ARRL INTERNATIONAL DX CONTEST RESULTS

CW

SINGLE OPERATOR - NOT ASSISTED

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>
N6TV	1,321	273	1,081,899	OVER 200
N6EK	881	180	475,740	OVER 200
K6DR	449	145	195,315	OVER 200
W6NKR	399	157	187,929	OVER 200
N6AN	354	134	142,308	OVER 200
W6GO	232	118	82,128	OVER 200
K6SMH	200	72	43,200	11-200

SINGLE OPERATOR - ASSISTED

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>
AA6PG	@ 932	@ 220	@ 600,000	OVER 200
K6MA	445	200	267,000	OVER 200
K6HIH	600	133	239,400	OVER 200
WX6M	189	109	61,803	OVER 200
W6OAT	146	126	55,188	OVER 200
N6JM	174	91	47,502	11-200
N3AHA	224	68	45,696	OVER 200
NT6G	48	46	6,624	OVER 200

MULTI OPERATOR

<u>CALL</u>	<u>QSOs</u>	<u>MULTs</u>	<u>TOTAL SCORE</u>	<u>POWER</u>
N6RO	@ 3,368	@ 459	@ 4,637,736	OVER 200
KG6GF	@ 1,115	@ 331	@ 1,000,000	OVER 200
WZ6Z	@ 911	@ 285	@ 780,000	OVER 200
K6ZM	@ 600		@ 330,000	OVER 200

TOTAL CLUB SCORE @ 10,279,468 (so far!, as of 1 Mar)

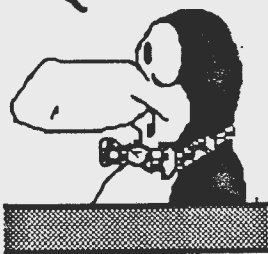
@=approximate (I don't have all the summary sheets yet, WHY NOT ?)

Well, who knows if that's enough to win? If you made only one contact in the contest, send in your log and help the club. Some reminders 1) Send your logs to ARRL within 30 days after the last contest weekend (April 4, 1990) see Dec 89 QST pg 79. 2) There is a new category in this years contest and that is single operator assisted. If you used a spotting net or packet, this is you! I guessed on some of your entries because you did not say. If I'm incorrect, please except my apology and let me know what is correct. 3) Send your summary sheets to me,

Ace Jansen, N3AHA
 51 Kenbrook Circle
 San Jose, CA 95111
 (408) 224-3017

73
 Ace

**Mni Tnx & 88's to
 Louese, KA6ING
 fer repeater callouts
 fm Packet reports !!**



nn = number
 : prefix
 owl = oblast
 band = 10, 15, 20, etc.

DX PACKET SPOTTING NETWORK
 Capital letters
 are abbreviated commands.
 Lower case letters are optional.
 REV.5 February 10 1990 - HAL W6AN

COMMANDS	PURPOSE	COMMANDS	PURPOSE
Announcement message	TO MAKE A GENERAL ANNOUNCEMENT TO ALL....	SHOW/NEED callsign	*LISTS COUNTRIES NEEDED FOR DXCC
Announce message	GENERAL ANNOUNCEMENT. K6LLK NODE USERS ONLY	SET/NEED	*TO ENTER COUNTRIES NEEDED FOR DXCC
Announce/Full message	GLOBAL, TO ALL, K6LLK NODE ONLY	SHOW/NOTICE	DISPLAYS CURRENT SYSTEM NOTICE-K6LLK
Bye	TO DISCONNECT FROM PACKETCLUSTER	SH/NEWS	WB2CHO DX NEWS, UPDATED EACH TUESDAY
CONFERENCE	ENTER CONFERENCE MODE. QUIT CTRL-Z	SH/OBL px	SHOW USSR OBLAST INFORMATION
DElete message #	DELETE A MAIL MSG, ORIGINATOR OR ADDRESSEE	SH/P px	SHOWS COUNTRY NAME, CQ AND ITU ZONES
DIrectory	DISPLAYS LAST FIVE MAIL MESSAGES	SH/QSL callsign	PROVIDES QSL MANAGER INFO FROM W6GO LIST
DIrectory/All	DISPLAYS COMPLETE LIST OF ACTIVE MESSAGES	SH/QSLNEW	TO PLACE NEW QSL INFO INTO W6GO DATABASE
DIrectory/Bulletins	DISPLAYS MAIL MESSAGES SENT TOALL	SH/RULES	INFORMATION RE: FCC PART 97 RULES
DIrectory/New	DISPLAYS NEW MGS SINCE LAST USE OF DIRECTY	SH/STARS	LISTS MAJOR PLANETARIUMS U.S. STATES, 4S, 4X, 5N, 9K, BV, BY, CE, CT, CX, DL, ET, F, 6B, HA, HB, HC, HK, HS, I, JA, LU, OA, OE, OH, OK, ON, PA, SM, SV, UA, VE, VS, VU, XE, YB, YV, ZL, ZS
DIrectory/nn	DISPLAYS nn ACTIVE MAIL MESSAGES		
Dx freq callsign	TO SEND A DX ANNOUNCEMENT. D 1400B 3D2XX	SH/SUN px	SHOW SUNRISE/SUNSET FOR DXCC COUNTRY
Help or ?	ONLINE HELP SUMMARY	Talk callsign msg	TO TALK TO ANOTHER STATION ON THE NODE BOTH STNS MUST USE TALK CMD. QUIT CTRL-Z
Read message #	TO READ A PARTICULAR MESSAGE. R 123		
REply message #	REPLY TO A MSG DIRECTED TO YOU. REP 123 TO: W6XXX SUBJECT: TOPIC (WHATEVER)	SH/Users	SHOW USERS TO NODE YOU ARE CONNECTED TO
REply/Delete	REPLY AND DELETE LAST MESSAGE READ	SH/U callsign	PROVIDES NODE CONNECT INFO FOR CALLSIGN
Send callsign	TO SEND A MAIL MSG. SUBJECT: MAX 30 CHARS. END MSG WID CTRL-Z; /EXIT ON SEPARATE LINE	SH/W	SHOW LAST 5 WWV PROPAGATION REPORTS
Send/Private callsign	MSG TO A SPECIFIC STATION. NOT TO ALL	WWV SF=xxx,A=xx,K=xx	TO SEND WWV INFO. WWV SF=201,A=10,K=03
LOCation	YOUR LAT. & LONG. AS: 37 15 N 122 30 W	SH/ZONE px or zo nr	SHOWS ZONES BY PREF OR COUNTRS IN A ZONE
SEt/NAME name	ADDS YOUR NAME TO PACKET CLUSTER. SE/NA DON		
SEt/NOhere	SPECIFY YOU ARE NOT MONITORING		
SEt/Qth	SPECIFY YOUR CITY AND STATE		* Currently, not operable
SH/ALlocation xx or x	SHOWS COUNTRY ITU PREFIX BLOCK. TWO CHAR. PREFIX A-Z OR ONE NUMBER 0-9		
SH/Bulletins	DISPLAYS AVAILABLE BULLETIN FILES. TO READ A BULLETIN: TY bulletin nr. AS:TY ARRLO39		
SHoW/BUREAU px, obl, dx organization	SHOWS DX QSL BUREAUS, OBLASTS AND DX ORGANIZATIONS. AS:SH/BUREAU ZA, 163, YASME		
SHoW Configuration	SHOW PACKETCLUSTER CONFIGURATION		
SHoW/CONTEST	PROVIDES CONTEST INFO, DATES AND RULES		
SH/Dx	SHOW LAST 5 DX STATIONS REPORTED		
SH/Dx/15	SHOW LAST 15 STATIONS REPORTED		
SH/Dx 20	SHOW LAST 5 DX STATIONS ON 20 METERS		
SH/Dx/25 14	SHOW LAST 25 DX STATIONS ON 20M (14 MHZ)		
SH/Dx/nn band dx sta	PROVIDES BAND ACTIVITY FOR A SPECIFIED DX STA EXAMPLE: SH/D/10 40 3Y5X = 10 RPTS, 40M, 3Y5X		
SH/Dx/nn px	PROVIDES SPECIFIED NR. OF ENTRIES FOR DX PREF		
SH/Dx/nn band	SHOWS NR. OF DX ENTRIES FOR SPECIFIED BAND		
SHoW/Files	DISPLAYS FILES THAT ARE AVAILABLE		
SHoW/FLUX year	SHOWS MONTHLY MEANS OF DAILY SUNSPOT NRS.		
SHoW/60	SPECIAL CMD FOR W660/K6HHD SUBSCRIBERS		
SH/60 SUBS	SHOWS LIST OF W660/K6HHD SUBSCRIBERS		
SHoW/Heading prefix	PROVIDES A BEAM HEADING FOR DXCC COUNTRY		
/HELP	PROVIDES SYSTEM AND OPERATING INFORMATION		
SH/IRC	INFO ON HOW MANY IRCS FOR MAILING		
SHoW/LOCation call	SHOWS LAT/LONG FOR A USER STATION		
SHoW/MUF prefix	DISPLAYS MUF TO THE SPECIFIED COUNTRY		

HONOR ROLL		DXCC		5 BAND DXCC					
CALL	-MIX PH. CW.	-MIX PH. CW.	-10m	15m	20m	40m	80m		
KF6A		274							
AA6AD		271	181	252	109	176	258	54	
W6AED/7		325				100	100		
W6AEO		241							
W6A6HF	312	335			100	100	100	100	
K66AM		288	272	180	153	205	248	40	25
N6AN	317	338	285	287	218	280	298	175	117
K6ANP		316	199	211	133	144	199	110	105
KA6BIM		196	190	59	108	131	141	33	8
W6BJH	311	327	192	282	120	117	187	117	100
WA6BSS		290	290	2	131	164	241	52	21
W6BSY	315 313	358	351						
KB6BK		251	2		89	89	151	26	2
K6BWX		225	1	224					
W6CF	315	342	294	185	204	239	306	178	138
K6CN		260	253	158					
W6CTL		316	1	245	142	129	313	88	11
WB6CUA		321	294	280	100	100	100	100	95
WW6D		172	89	147	33	70	136	67	26
K6DC	315	359							
W6DD		126							
W6DFD		300	300						
K6DR		248							
K6DT	312 307	340	320	293	229	251	328	153	121
W6DU	312	331	282	302	212	237	302	152	103
NG6E		240		207	116	127	196	136	118
WD6EKR			303		170	234	291	78	72
WD6EKR/M			240		79	193	149	2	2
W6ERS	319	349							
W6ETR			237						
WB6EXW		303			100	100	100	50	11
W6FAH			286	165	170	189	266	141	138
K6FD		271							
W6FGD		323	258	273					
K6FO		277	185	239	134	164	235	125	102
KB6G		253		229					
KD6GC		175			70	120	210	256	124
KG6GF		281			161	192	246	105	50
WB6GFJ		101	300	70					
N6GG		301							
W6GO	312 311	326	325	307	257	286	313	242	206
K5GOE		303	290		182	100	100	100	87
WA6HAI	312	320		243					
K6HHD		312	308	23	204	174	221	42	40
K6HNZ			290		209	242	254	125	107
N6HR	308	329	315		100	100	100	100	100
W6HAW	323		323						
WC6I		287			151	173	225	161	66
W11CU	316		335						
K4II	312	339	303	336	197	243	322	248	162
KA6ING		180							
W6ISQ	315 312	348	331	207	157	189	219	122	110
W6JD		317	213	292				182	
N6JM		290	278	234	196	221	255	119	86
W6JRY	306	321							
N6JV	310	321	167	300	100	100	100	100	100
W6JZU	312		328		75	115	255	22	12
W6KG	314	352	290	108	161	193	210	169	105
W6KH	320	358							
K6KLY		248	248		163	138	143	107	65
W6KNH	319 319	339	339						
W6KOE	313		332						
W6KQK		310	295	287	243	278	299	152	118
K6KQN		265	260						
NB6L		311	212	162	100	93	186	40	19
WA8LLY		215	182	150	127	135	159	51	16
K6LM	316 312 307	321	316	309	100	100	100	100	100
K6LQA	312	330							
W6LQC	313 312	330	330						
WX6M	314 314	318	318	119	154	158	196	115	103
K6MA	319 311	348	322	290	200	200	300	165	121
W8MEP		278							
W6MUR	313	357							

HONOR ROLL		DXCC		5 BAND DXCC					
CALL	-MIX PH. CW.	-MIX PH. CW.	-10m	15m	20m	40m	80m		
W6MZ		315							
W6NA			333						
W6NKR			271	140	190	251	192	109	
W6NLG	316	316	306	100	100	100	26		
K6NM		300	200	191	100	135	258	152	34
W6NPY		316	200	265	200	200	200	178	139
WA6O		217			88	50	123	2	16
N6OC		303	300						
WA6OEY		227			71	60	170	20	8
N6OJ		316	275	105					
K6OJO	312 311	328	327		187	250	308	17	12
W6OMR	313	332	318						
W6OSP		309							
WB6OTB		271							
K6OZL		332			100	100	100	100	100
W6P		306	306	283	184	210	303	207	118
K6PBT		216	191	115	111	133	145	61	15
K6PKO		308	301		270	175	185	97	112
K6PU	316 311	344	325	250	200	200	300	200	100
AG6Q		303	289	168	100	100	100	100	100
KB6Q		294							
W6QDE		281	138	243					
W6QL	315	337	263	69	114	161	201	111	103
N6QR	310	313			100	100	100	100	100
N6RC		213							
W6RJ	316	345			100	100	100	100	100
K6RK	314	326	312	289	100	100	100	100	100
K6RQ	317	354			91	182	285	126	71
N6RR		289			116	210	176	129	88
K6RUV		270	242	120	100	100	100		
DJ6RX	315	336			215	271	303	227	185
AF6S		312		301	247	262	286	192	128
K6SIK		286	282	140	183	186	262	128	120
WA6SLO			310		249	278	310	198	202
N6ST	315	320	297	235	171	207	284	126	
W6SYL			220						
W6TC	320	318	332	318	200	200	200	200	157
W6TER		269							
K6TMB		301	295	235	235	240	290	142	117
WA6TOO		251			58	84	167	6	6
W6TPH		272	238	187	141	181	172	110	100
W6TUI		275	274		109	125	187	125	116
AE6U		305		276	200	200	200	200	140
K6UD	308	318	306	207	240	244	244	176	147
WB6UOM			300						
W6UR		264	159	158					
K4UVI		287	208	97	31	70	275	53	7
AJ6V		311	220	258	139	162	251	133	62
KD6VS		304							
K6WD	312	325		272	100	100	100	100	65
WB6WKM		300	100	100	100	100	100	100	63
KE6WL		219	211	153	120	166	185	83	32
K6WR	321 321	351	351		100	100	100	100	100
KK6X		281	227	255					
NG6X		250							
W7XA		325			277	298	309	174	137
K6XM		267	209	222	163	179	246	144	66
W6XP	317 317	333	333						
K6XI	312	327		160	100	100	100	100	99
KD6XY		303	288	52	123	135	224	8	3
KR7Y		301	271	267	149	184	249	142	126
W6YVK			251		160	198	173	56	42
AA6Z		283							
WZ6Z		282			181	182	250	177	106
W6ZKM			333		100	100	100	100	100
K6ZM	315	345	311	261	100	100	100	100	73
W6ZM	315 315	356	351		130	142	317	52	
WB6ZUC		317		303	178	244	265	152	100
K6ZX		309		287					

de Larry, KD6XA

CALL	WAZ			5 BAND WAZ					WPX		
	MIX	PH.	CW.	-10m	15m	20m	40m	80m	-MIX-	-PH.	-CW.
AA6AD	40										
WA6AHF	40	40									
N6AAR	40	40	40								
I			40								
KA6DIM	39										
WB6JH	40										
WA6BSS		40									
KB6BW	40										
WGCF	40	40							893		
WB6CUA	40	40		40	40	40	32	24			
WW6D	33										
WGDPD	40	40									
K6DT	40	40							1,416		
NQ6E	40			30	33	40	38	33	600		
WD6EKR/M		40									
W6ERS	40										
W6ETR			40								
W6FAH		40									
K6FO			40								
WB6GFJ	40	40							837		
N6GG	40										
W6GO	40	40		40	40	40	40	40			
K5GOE	40	40							1,037	947	
WA6HAT	40										
K6HHD	40										
K6HNZ	40										
N6HR	40								863		
WC6I	40			35	39	40	39	28			
W11CU	40										
W6ISQ	40	40							869		
W6JD	40										
N6JM	40			35	39	39	28	20	1,742		
N6JV	40								2,162	2,135	
W6JZU	40	40									
W6JZ	40	40							911		
W6JZ	40	40									
W6JZ	40	40									
W6ROE	40	40									
W6KQK	40	40									
K6KQN	40	40									
NB6L	40										
K6LQA	40										
W6LQC		40								939	
WX6M	40	40									
K6MA	40	40									
W6NER	40										
W6NLG	40	40							450	450	
K6NM	40										

CALL	WAZ			5 BAND WAZ					WPX		
	MIX	PH.	CW.	-10m	15m	20m	40m	80m	-MIX-	-PH.	-CW.
W6NPY	40										
N6OC	40										
WA6OEY	40										
N6OJ	40										
K6OJO	40	40									
W6OMR	40	40									
WG6P	40	40	40	35	36	40	37	31			
K6PBT	40										
K6PKO	40	40				40				850	
W6QL	40	40									
N6QR	40	40									
W6RJ	40	40									
K6RK	40	40									
N6RR	40										
DJ6RX	40			40	40	40	40	40			
AF6S	39										
K6SIR	40	40	40	40	40	40	40	40			
WA6SLO	40	40		40	40	40	34	39			
N6ST	40	40									
W6TC	40		40	40	40	40	40	37			
K6TMB	40	40	38	38	38	40	26	28			
WA6TOO	20										
W6TUI	40	40		30	33	40	29	26			
AE6U	40										
K6UD	40										
WB6UOM	40										
AJ6V	40										
K6WD	40										
WB6WKM	40	40									
KE6WL	39	38									
K6XM	40										
K6XT	40	40									
KD6XY	40	40	24	28	34	37	6	2			
KR7Y	40									1,526	
W6YVK	40									659	
AA6Z	40										
WZ6Z	40	40		35	37	39	37	30			
W6ZEM	40	40									
K6ZM	40	40									
W6ZM	40	40									
K6ZX	40										

de Larry, KD6XY

CALL	HONOR ROLL			DXCC					5 BAND DXCC					WARC			
	-MIX	PH.	CW.	-MIX	PH.	CW.	-10m	15m	20m	40m	80m	160m	-6m	12m	17m	30m	
N6AN	317			338	285	287	218	280	298	175	117			51	24	24	
KA6ING				180									39				
N6JM				290	278	234	196	221	255	119	86	15					
K6KLY				248	248		163	138	143	107	65		55				
WA8LLY				215	182	150	127	135	159	51	16		25				
WX6M	314	314		318	318	119	154	158	196	115	103	17					
WG6P				306	306	283	184	210	303	207	118	12		3	6	1	
KE6WL				219	211	153	120	166	185	83	32	4					
WZ6Z				282			181	182	250	177	106	12					

CALL	WAZ			5 BAND WAZ					WARC					WPX		
	MIX	PH.	CW.	-10m	15m	20m	40m	80m	160m	12m	17m	30m	-MIX-	-PH.	-CW.	
WG6P	40	40	40	35	36	40	37	31	4	2	6	1				

de Larry, KD6XY

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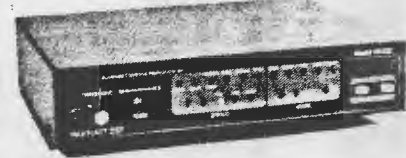
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