THE CONTEST





NEWSLETTER OF THE NORTHERN CALIFORNIA CONTEST CLUB

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> Number 226 March 1991

PRESIDENT: W6ISQ DIRECTORS: KI6EZ, N

VP/CONTEST CHAIRMAN: N6TV

TREASURER; AD6E EDITORIAL ASST: KC6NFE

DIRECTORS: KI6EZ, N6KT, AI6V, WZ6Z

INSIDE THIS ISSUE

FIRST INTERNATIONAL F&F TOURNAMENT

CLUE:

The Old Boys should do better in the first "F" event.

BUT----

The Young Squirts should do better in the second "F" event.

THINK EFFENEFF GOOD LUCK!

MARCH MEETING

ANNUAL AWARDS BANQUET SATURDAY, MARCH 23 PLEASANTON HOTEL

Our Big Saturday Night Special, a gala event with honors for our stars, kudos and enjoyment for all. Bring the XYL, the OM, visiting hams, friends and cousins to share festivities and a gourmet dinner.

RESERVATIONS ESSENTIAL

Menu Choice: Prime Rib or Salmon with Hollandaise \$25.00 each incl tax and tip Mail your check, made out to NCCC, and your menu choice, to Treas. AD6E, before March 18.

This is the banquet everyone looks forward to each year. Costs a bit more, but not to worry! In April we've got a mighty low cost affair planned so the averages will drop way down.

DIRECTIONS ON PAGE 17 Send Reservations Today!

CQP RESULTS

WINNERS, LOSERS, DETAILS OF 1990 CQP CONTEST SPONSORED BY NCCC

These results attached at the end of this <u>JUG</u>, were complied and edited by Jim, WA6AUE who began work in October and has worked diligently ever since.

Jim writes, "All I can say is: I can't believe what a great job Gary (WA6VEF) did all those years on this effort (and still does!). You really learn to appreciate how much work some people do ... "

CQP has become the best state contest there is. But it's the organizers who make it go. WA6VEF did everything for years, from publicity to grading logs. This year WA6AUE did the grading and as you see, there were about as many contestants as in an International. MANY TNX, WA6AUE,—A GREAT JOB OF COMPILING.

LAST MEETING

Say, we had another whizbang meeting 22 Feb at the Wagon Wheel. We welcomed Ed, VK8XX and XYL Mina, VK8MM deYoung who are visiting in the area. They were the folks who obtained the license for, and led the DXpedition to new country ROTUMA IS-LAND a couple of years back. You will remember that our very own KIP, W6SZN was on that DXpedition and he was present at the meeting to greet our guests. They explained it was Mina who made the arrangements through friends on Rotuma for a place for the DXpeditioners to stay in and operate from. Mina noted that the JA ops were the most polite!

Round Table. Here are a few of the comments: BOB, N6TV, says that the Sprint is too fast a contest to use a computer. Use a pencil, he says. Never thought we'd hear that from N6TV! BOB, W6RGG, and ALEX, KI6EZ, told of bad problems at N6RO which involved a couple of computer logging systems going out and a few other failures. Sorry to hear this world class station is having problems. HOWARD, WZ6Z, told of super high noise problems as did Ollie, W6NV, both in East Bay. They are looking for someone in PG&E who can really do some good---not the usual. JOHN, N6JL, was in San Diego during the contest, but he stopped at K6UA enroute. UA apparently won the multi-multi with about 12.4 milli yun, John says UA's radio farm is awsome. WA6SDM worked hard to pick up a few new countries while the

sunspots are still excited. As expected, JIM, W6CF, gave his report in lushious limerick form. He also announced his contest to explain how the JUG got its name. (See elsewhere in this JUG). He wants imaginative prose to tell of the origin of this prestigious journal. We also welcomed HIROO, JA2EZD, who was in the area. Hiroo is a great DXer as well as contester. You will remember his operating from XU8. LARRY, WA0YOM celebrated his birthday with us and he received a DUB for the occasion. . Congrats to KIP. W6SZN, who reported he recently worked a new country, TJ1CW. PETE, W6XX, showed up for the first time in many moons and told of his outstanding effort of 40.

Rocky. KIP, W6SZN, made a very fine presentation to your humble editor, W6ISO, of two small rocks from ROTUMA ISLAND brought here by the deYoungs. There was a beautiful little white "SSB" rock and a dark "CW" rock. These are for the DXCC rock collection being assembled by W6ISQ for the NorCal DX Foundation. Thank you kindly deYoungs and Kip. Most thoughtful and appreciated. Anyone else going on a DXped, please bring us a small rock from your DX location, tnx

Speaker. BRUCE, N6TU, who took us first on a delightful trip through Athens and Rhodes, and then to Saudi Arabia. Bruce had been there on a business trip last year and told of his ham activities from hotels and apartments using "no-see-um" dipoles.

He did amazingly well. He also spoke of the terrible smog problem there in Athens which is ruining that Greek capitol.

Bruce also took us to Saudi Arabia. He arrived there in August '90 just as the Kuwati invasion broke. His slides were most interesting, showing handsome architectural designs and attractive areas there. Bruce was sent through survival school so demonstrated for us how to put on a gas mask and how to wear the traditional head gear---the "gutra"---known to Americans as the "table cloth and fan belt". Bruce produced a package of "MRE" troop rations known to GIs as "Meals Rejected by Ethiopia". Maybe they were tasty because he didn't offer to share them with us. Thank you Bruce for a most interesting and instructive presentation.

COP. Results of the CQP were circulated and there was a hearty round of applause for JIM, WA6AUE, who did all the compilation work.

New Members. We welcomed KEN, KC6HRB, ex-JH1EWU and DAVE, AF6S into membership. Ken is new to contesting but with a little training, he should be a natural in M/M to run JA's! Dave is an old DXer who has contested many years. Welcome both. Good meeting!

LITTLE KNOWN FACT

At our last meeting, those present ordered 15 chicken, 10 fish and 9 beef. You had to win your dessert by being DUBBED.

THE BASIC LEARNING CURVE EXPERIENCE

We are on a learning curve here folks. I don't know what part of the curve, but it must be the flat part because it was much easier to let Pro Editor Pat, AK6T, who knew the tricks of these computers, do this computer sleight- of -hand.

To add to the fun, a couple 'lil goofs last month. Here's what:

Goof One was on the address page, detected instantly by W6RGG! He put on a packet message to me before he even took off the staple. Did you catch it? We used the wrong return address, a matter of great importance because the Danville one, (K6ZM's) is the center of our 175 mile membership area circle. It's gotta be so. It happened as we were about to go to the printer. I realized we didn't have the HRO address page yet. So, I made up the HRO ad and typed in K6ZM's QTH as the return address. Ah, I says, now, if anything comes back, poor Phil will have to re-address all that material, so I'll help and put on my own address. Which I did. Right. WRONG! Thanks Bob, and a DUB to you for your alert.

Goof Two. The empty penultimate page. I didn't see it until I had mailed all the JUGs, and then it was too late to do anything about it. Furthermore, I couldn't figure out what should have been there. I was sure of the number of pages I took to the printers....well, almost. Couple of days later I had a call from W6CF who said, "You forgot the most important part of the JUG." "What was that?" I said. "My request for a contest to explain how the JUG got its name." Omagosh, that was it!

What did I do with it? I remember cutting and pasting that page. It had W6CF's <u>JUG</u> name contest, and AL, AD6E's, Treasurer's Report. I don't know what happened to that page. Must be somewhere between my waste basket and the print shop. W6CF's contest is in this issue. Please read it and enter. DUB prizes, and other Maxwellian goodies. Sorry and TNX.

We like your comments, and suggestions; shows readin!

TROSTEROSTER

THANK YOU LOUESE...... Right here, at the top of the roster this month we want to thank Louese. KA6ING, for her hours of contest spotting on the 2-meter net and the packet net during the ARRL-CW contest. It was a tedious task, but she was in there all day and into the night, calling information on the 2-meter net that appeared on packet, and putting packet information on the 2 meter net. Both NCCC and NCDXC salute you, Louese, and thank you for yeoperson service, and for some of those extra multipliers!

JACKSON HOLE, MONTANA....
Remember last month we sent regards to NCCCer Wayne Mills, N7NG, way up there in Jackson, Idaho? Imagine our surprise to get a phone call from Wayne telling us he did not live in Idaho. He really lives in Montana, and the name of his town is Jackson Hole, not just Jackson! Sorry Wayne. The JUG has a couple of new reporters who have not yet been indoctrinated into the strict accuracy laws which

govern this organization. We'll goof it better next time. Come to think of it, Wayne, you mentioned checking into the Salt Lake City packet system, so maybe you're really in Utah. I sometimes get confused with them little states back east. We'll put our reporters back on this fast breaking story. Thanks for the call Wayne. Call again any time.

ARTURO EPPS, W6OAT, OF-FICE MUSIC...... I have begun to judge business establishments by the type of music they put on the line during your interminable wait for the fellow you want to talk to. Too often it is something close to frantic, unnerving rock of some sort, that noodles your thoughts rather than soothing them. Happy surprise then, to call Rusty, W6OAT's, office. The switchboard operator says, "Sorry, he's on another line. Would you like to hold?" "Of course," I said. And low and behold, to my willing ears, comes floating the lilting finale of Swan Lake, at just about the point where the Prince demolishes Rothbard and then, in glorious crescendos, the Handsome One and his Odette fly off into the sunset. Every few minutes the operator broke in...."would you like to continue to hold?" "Yes, yes," I cried, "don't cut me off now. The swans are still circling the lake." I always weep bitter tears at this ending, so by the time Rusty comes on with his cheery, singsong, "Hi, this is Rusty Epps", I holler," don't be so happy. The swans just flew off into the sunset and eternity." I've forgotten why I called him, so I say officially, "What time is the next meeting?" Yes friends if you wish a pleasant moment and relief from a tense day at the office, give Rusty a call and

ask the operator to put you on hold for about 15 minutes before ringing Rusty. Close your eyes and glide with the swans, or Brunhilde, or soar through the Elysian Fields. Pleasure to do business with Rusty! P.S. What ever happened to Odile?

TIRED TV.... BOB, N6TV sent this message to the <u>JUG</u> editorial desk after completetion of ARRL-CW weekend and three hours' sleep: Q.What does N6TV eat after a long contest weekend? A. TV dinner.

JUG MASTHEAD..... Several months ago, editor, AK6T, AND I (ISO), began planning a new masthead for the JUG. We wanted to go back to something like the original layout with a drawing of the jug itself. So of course, we contacted NCCC historian . JIM. W6CF. Naturally he had all the JUGS ever published and hence was able to send us a print of the old JUG. Sadly, PAT passed on before we got the masthead set up. but since it was planned we went ahead with the idea to use the old jug drawing. . We'll probably have a few more changes as we tinker on and have fun with it.

GOMFO........With 49 minutes left in ARRL-CW, on 14 053.6, I swapped reports with NCCCer GOMFO. He said he had "over a milli-yun". It's great to have such representation in G-land. Congrats.

PLEASE PAY ATTENTION......

Not one of you readers wrote or packeted in to ask what that streaky stuff was coming out of the jug on the masthead last month! Not one of you! Shame. And not one of you asked why the lip of the jug pointed upward when the jug itself tipped downward. You've got to learn to pay attention to details and comment thereon.

The assignment now is to stretch your imagination and drop a note or whatever, to W6CF, telling how you think the JUG got its name.

ΛΛΛΛΛΛΛ

Imagine a picture of a fine antenna right here.

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This space reserved for advertising. Low rates. Inquire at <u>JUG</u> office.

>>>>>>>

MEASURE YOUR OPERATING TABLE PLEASE...We'dlike to knowhow high your operating table is. That is, from the floor to the surfacewhereon your rig sits. if you have computer logging, give us the height of that set up too. Send to me, W6ISQ, via packet or whatever. Tnx

ITALIAN BEES......I sent a note to Cass, WA6AUD, asking how his Italian Bees survived the deep freeze. He promises details soon. But first there are certain springtime duties which may distract Cass for a while. You see, as he once described in his CQ, Feb 87, DX column, it is that time of year when Cass leads the small devoted True Blue group back up into the mountains and canyons to pound out the Rights of Spring on ancient DX log. This ritual may go for days as they test bands and sunspots. Stay tuned. The JUG will publish all in good time. Meanwhile, you are instructed to read by way of background information, Cass' DX columun in CQ, Jan 88, to learn about experiments with

bees and RF and electricity. This is a fascinating stuff distilled from field experience, international apiary journals, and various encyclopedia. Must reading for all bee keeping contesters and other intellectual types like us.

conclusion.......I want to pay tribute and thanks to XYL, MAGGI, KC6NFE, for jumping in last month to computerise the JUG. With manual in hand and several resuce operations via telephone to Howard, WZ6Z and Patti, N6BIS, the JUG emerged in publishable form. This month, piece of cake....ahhh..... make that DUB! Tnx Maggi. A DUB to you too.

THAT'S IT...for the Roster . Work hard &73, JACK W6ISQ

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R. HALLMAN, KI3V/A9 NV AIR GUARD 152 TAC RECON GP DESERT STORM APO NY 0960 Hi John:

Well, we are over 2 weeks into the war and all is going well. Our jets are flying great and they are all coming home safely. After their missions, we are still working 12 hour shifts, 7 days a week. But hope things will slow down soon so we can get a day off. I've been here over a month and a half and have had 2 days off. Both days I spent down at the Bureau of Frequency and Wireless licensing. Getting a license here is not such an easy task. First you must belong to the local Radio Club, before the bureau will run your application.

Sounds funny doesn't it. First you need to find an application for the Club--Ha. A92BE helped me there. After you fill out the club application, it goes to the Bureau for a security check. After the security check, it goes back to the club and the club board votes on it. After approval, the club gives the Bureau the approved club application, then the Bureau runs your license approval though yet another security check! After all this and about 2 months you might have your license!! Ha. I was told by A92FL that Lloyd and Iris Colvin when they were here had their license in several days. Wonder if they could help me?? Since I am on military orders and have a military ID, I don't need a VISA. The Bureau here has never done a security check without a VISA. Mine is a first with military papers and military ID. Hope this doesn't slow things up! Ha.

So far, my club application is in the Bureau for the security check. Maybe in a couple more weeks I'll have my license--the station is basically set up and ready to go!! It is my TS-930S, Clipperton-L, Keyer, Shure 444, A-D 4BTV. Propagation to West Coast sounds great from here. Long path on 40 (your morning) is super. W6YA is super loud along with KC7V, AA6XX, W6PU. Others heard have been W6REC, W0ZV. I have also heard 80 meters stateside on my long wire that goes around the tent!! Ha.

Legal power here is 400 watts, so the Clipperton-L should do just fine! Ha. YAORR was super loud on all bands here also! Seems like the best times for stateside west coast propagation here is sunrise-sunset. 40 & 20 being the best. 10 meters also has had some great openings to West Coast, but mostly East Coast sigs.

Well, I better get back to work. Thanks again for the letter and support. Again if anyone in the club can help expedite the license process, please let me know. AA7EN on packet is my point of contact. I talk to him weekly. Looks like May 15 is our date to leave or sooner. I hope sooner. 73 and tnx agn,

Rich, KI3V/A9

Put one of W6CF's limericks in here next time.

SEMPER FIDELIS

From the Halls of Montezuma
To the shores of Tripoli
We will fight our country's battles
In air, on land and sea......

Please read this from Bill, N6TIP

To: Members of NCCC Date: Jan 27, 1991

I would like to inform you of my enlistment in the United States Marine Corps. I have signed up for a career in electrical maintenance. I will have a five year contract. I will receive monies in the Corps paying for 75-90% of my college

education while in the Corps, as well as money after my enlistment, with the GI Bill. I hope to be stationed, after my training, on the island of Guam. There is a college there and is a prime location for my DX and contest activities.

I do not have to report for basic training until August 13, 1991, so maybe the war will be over. If the war is not over, I will be honored to fight for the ideals of our country.

73 es good DXing,

Bill Philpott, N6TIB

Congratulations, Bill. Always room for a few good men, although I may be biased in my viewpoint. Please forgive me if I (your editor) am smitten by a wave of nostalgia. Bill's letter reminded me that two months from now, I will celebrate my own taking the oath with USMC.....50 years ago, on 9 May 1941. And I might say to Bill, 'You will be off on one of life's great adventures....Marine Corps Boot Camp. Listen carefully to every word the DI says!"

If the army or the navy
Ever look on heaven's scene
They will find the angels............

THIS SPACE PROVIDED TO THINK EFFENEFF

HISTORY OF NCCC

WRITTEN BY ITS FOUNDERS

Introduction: We have asked Jim Neiger, to lead off this series with his recollections of why and how the NCCC got started. Most readers know that Jim Neiger, N6TJ, ZD8Z, etc., etc., etc., is one of the world's preeminent contest operators and has been so for the last quarter century. Some of you, however, may not realize that NCCC was his idea and that he was one of the founders.

He wrote the following while on a flight from Antigua to ZD8-land. Here it is . Enjoy.

HOW NCCC BEGAN

Chapter One by Jim Neiger, N6TJ

The concept of a contest-oriented club in the SF Bay Area was "kicked around" by myself and Rick - "The Locust" - Hilding, K6VVA around the 1965 - 1968 period. Rick and I were very active in the DX contests, as members of the Northern California DX Club, and could often be found, slugging it out, man y mano from K6ERV, K6OHJ, K6DXM, WA6GFY, or any other stations crazy enough to host us. Guess Rick and I were among the early "hired guns".

Rick acquired his nickname ("The Locust") during these operations, not necessarily for his prowess on the DX bands which was considerable (I still consider him to be the FINEST DX operator, Phone or CW, EVER, and certainly of his generation), but rather for his in-contest reputation for cleaning out the host's refigerator!

Anyway, back to the point: We were frustrated that the members of the NCDXC did not share our interests in launching major club efforts in the contests. The NCDXC - SCDXC rivalry in the ARRL DX contests was HUGE during the 1960s and although the NCDXC members liked the sweet smell of victory when the winner was announced at Fresno (it would be many years yet before Visalia was to be discovered), Rick and I felt that we, and a few others like W6CUF (now W6CF), W6WX, K6ERV, K6AHV (now W6RJ), K6OHJ, W6WB, were "carrying" the NCDXC.....and that this club really wasn't interested in contesting per se.

When I moved to ZD8 in April 1968, the notion of a "NCCC" was put on the back burner, but K6VVA and ZD8Z kept the idea alive during our frequent 20 meter skeds.

In July 1970, I finished a one year operation as 9Y4AA, and moved back to the Bay Area. Little did I realize that the August 1970 meeting of the NCDXC would become the final stimulus to the creation of the Northern California Contest Club.

I'm sure that many of those in attendance that fateful night will recall the turbulance of the business portion of the meeting.

K6VVA wanted the NCDXC to

officially support Sweepstakes participation and entries (Rick liked to collect wallpaper, and certificates were only awarded to club winners if the club had at least three entries).

Someone exclaimed that NCDXC was a DX club and had no business sanctioning contests other than DX contests. I had the notion that the NCDXC could satisfy both the DXers and contest - minded, as had been successfully achieved for so many years by the Frankford and Potomac Valley Radio Clubs.

When my motion to accomplish same was soundly defeated, Rick and I ordered another 807 (what else was there to do??). When this frosty 807 arrived, I wrote on the cocktail napkin...."NCCC"! And the rest, as they say, is history. As I recall, others at our table who ordered 807s were W6CUF and K6EBB.

Within a couple of weeks, the Charter Meeting of NCCC was held in my town house in Santa Clara. Among those in attendance were W6BHY (N6TJ), WA6DKF (N6RO), W6RGG (N6KB), W6CUF (W6CF), K6EBB, K6CQF (K6PU), K6AUC, WA6UFW (K6RV), W6WX (silent key).

Because it was my home, I was elected the first NCCC president. I think K6EBB was Vice - President, but I'm sure someone else has a better recollection of this than I do. W6CUF was the first editor of the JUG.

Immediately, of course, came conflict of loyalties.....the NCDXC and the NCCC. However, having done the damage, I beat a hasty strategic retreat from the area in July 1971 and let the battle wage.

It is hard to believe that 20 years have passed since the founding of the NCCC. I've kept my membership current, if not always as an active member. I guess, in retrospect, that the many accomplishments of the NCCC more than attest to the notion that Rick Hilding and I had a pretty good idea.

Ed's note. Jim has given us a great recollection of how he and Rick started the club. How 'bout the others of you who were part of that founding team, or one of the very early members, doing the same. Write us a few paragraphs about your memories of the beginning of NCCC. We'd all enjoy reading your recollections too. K6PU and K6AUC, how bout you next? You were there. What happened from your viewpoint? We want now to publish stories of the very early days. Later days will be requested after that.

THINKF&F

Be ready. Only another month to prepare. Judges and referees are in place. More clues next meeting.

Good Luck to All

NCDXC SACRAMENTO

There was a good NCCC showing at the Feb 8th meeting of NCDXC in Sacramento. I saw a good NCCC representation:
K3EST, HIH, MA, RK, TMB, KA6W, YB, QM, EK, GG, IG, JV, ST, FEA, BIP, OSP, QHS, VG. K3EST was on "Steering Committee" and also "Hospitality". And indeed he steered and hospitalityed in fine fettle. Jim, N6IG, also seemed to be pretty hopspitable, especially Sat. AM at W6GO's open house, where he was official guide.

Speakers were Mr. Onegan of Ham/Pro antennas, and Jay, W6GO, who spoke on----what else---packet radio. Jay mentioned there are 77 new improvements for the packeteers. We would all agree that packet is spectacular! I am especially enjoying the QTH list which tells me how old you all are!

Sat AM, W6GO/K6HHD hosted an open house at their ranch to show their great herd of feathered critters. Jan is the keeper of 19 greyling geese, 2 China geese, 2 dozen mostly domesticated mallard ducks, 1 pair of Muscovy ducks, a nice mixed chicken population, 2 cats, jack rabbits, skunks, racoons, quail, etc.etc! A most impressive herd.

Jay had a high tower and lotsa rigs. Just foollin' folks. Jay's antenna was even more impressive and spectacular than I had imagined. The station assembly was equally well done with a fine layout for either DXing or contesting. Jay's master packet station equipment was also on display. A very nice station and we all appreciated the chance to see it. Good donuts too! NOTE: Jay's operating table was 27 1/2 inches high.

We thank the O'Briens for so generously and warmly opening their home to all of us.



FOUNDERS MEETING 1971 From left corner: W6WX (dec.) K6ERV(dec.) K6CQF, (K6PU) W6BHY (N6TJ) K6ERV -XYL W6RGG

Foto:N6TJ

RESULTS



1990 CALIFORNIA QSO PARTY

COMPILED by JIM DUFFY, WAGAUE

FUN!

"..Of all the contests, this is the best!" WA9MRU
"..I really enjoy this contest, and it's the only one I enter." N5COP

THE season opener. The annual kick-off for the radio contest season: THE CALIFORNIA QSO PARTY. A chance to test those new antennas, push that amp, see if the computer works as a dummy load and crashes. It's also a chance to see old friends, maybe for the first time since an early summer contest qso. You will hear plenty of new, hesitant ops trying out radio contesting for the first time ever. "Enjoyable! My first real contest...I'm glad I picked this one to start" (KA3WSZ, 14 YEARS OLD).

Who won? Everybody won!

A record 414 log packages descended on Contest Headquarters in California (up 8% over '89); 153 from California (down 10 logs from '89) and 261 from outside the Golden State (up 45 logs from '89). We received entries from 48 states, 5 Canadian provinces, 16 DXCC countries, and 53 of California's 58 counties. Thirty one new, single-op records were racked up by the contest gang. Twenty four mobiles and county expeditions (CE) activated several dozen of those rare and hard-to-get counties.

People have fun in this contest: "What a pity that CA QSO Party is being held only once a year"! (LY2BRP, op at LY1BZB). "This was my first experience with the CQP..it ranks up with the best" (AAOAW). "This is an outstanding contest and all persons contacted in CA were very good sports and were very courteous." (K8OSF). " I work a bunch of the state QSO parties and none of the others are even close!" (N5OVV).
"Thanks for having the CQP, I had fun. Its beats a lot of DX contests!" (K9JS). "Had a ball! Most fun in a long time." (W8AKS/6).

THE RESULTS: CALIFORNIA

SINGLE OPS

Last year's second place finisher, Jim N6IG, again operated from W6GO; however this year he smashed all opposition to take first place honors. He collected 354.5k points to break the old Sacramento county record (set by him from W6GO in 1989). Operating from his cattle ranch in Modoc county, Duane W6REC, bettered his 1989 fifth place finish by scoring 284k points and snagging second spot. He broke the old '88 Modoc record by almost 20k points. Mike KA6SAR, pushed station N6VR into third position with a 279k effort from Ventura county. This bettered his '89 seventh place finish from the same station.

LOW POWER "Life is too short for QRP"
(N6TU)
"Next year, I'll use an amp!"
(N6TV)

The low power trophy this year goes to Bob N6TV, who scored 196.5k points and just missed the standing record by 1,200 points (W6AB '89). In San Diego, Charles W6UQF, came in a close second to Bob at 192k points. Operating from W6AB, Bruce N6GC (current record holder), snagged a third place showing. These crafty low power ops all finished in the top twenty at 10th. 11th, and 14th respectively. GOOD SHOW!

Congratulations to the following ops who set new CA county records: W6REC, W6FSJ, NC6U, W6GO (N6IG, op), WA6FGV, K6HIH, WA6ZBX, and W6BSY. FB JOB!!

THE CALIFORNIA MULTI-OPS

There were plenty of multi-single efforts this year when you consider some operate from "home" while others chose the field day type experience of a county expedition. The expedition type operations generated the big scores in this class. KS6H (+N6ZB) tallied 265.7k points to run away with the multi op county expedition prize. In second place was NI6W (+N7CW, K9VV) with 255.7k points from Imperial county. The K6TMB (+W6SZN, W6OAT, K5XI) high rollers came in third place with 225k points from Placer county (adjacent Stateline, Nevada).

Those multi-singles not in the county expedition class (CE) were led to the finish line by WA6PZL (+N6ENU) with 179.8k points

operating from Ventura county. Taking second place from Santa Clara county was KJ6FD (+KB6NLO) scoring 177.5k and in third was AA6MV (+N6ULI) from Santa Cruz.

THE RESULTS: OUT-OF-STATE

"The Black Hole strikes agn! The 10 meter pipeline from WIS to CA is awesome." (NOBSH/9)

The Black Hole (Wisconsin, Michigan, Indiana, Illinois, Minnesota) did hit again. Hard. This is the part of the country that seems to be a tough QTH for most contests, but ops in the Black Hole do well in the CQP. Mike, NOBSH/9, operating from Wisconsin, blasted last year's recordsetting performance by KB9S and scored the highest score ever recorded outside California (160k). For the second year in a row, K4XS captured second place; this time with station owner Bill at the helm. And in a photo finish for third place, transplanted sharp-shooter Gary, VE7NTT (aka WA6VEF) edged out fourth place finisher Gerard, KE9I by 23 QSOs. A peek at Gary's log will underscore the difficulties one faces from a QTH so close to California. He had only 43 QSOs on 10 meters (KE9I had 640)!! Gary was forced to make at least 158 band changes during the weekend and was also overheard making QSOs on the YLRL nets, QRU nets. and the Geritol nets.

LOW POWER: "Life is still too short for QRP" (N6TU).

Once again this year, the Black Hole (Minnesota chapter) produced the top low power station from outside California. KFOT, Tom, pushed his 100 watter in for 67k points, and placed 13th overall. Close behind in low power second place (and #16 in the USA) was Bob WA1FCN, with 61.3k points. A fine accomplishment from New England. Congratulations to the following stations from outside CA who set new records in their state/province: KK4TE, WA5SOG, WA1FCN, NX3A, K4XS, KE9I, WB0YJT, KM4FO, NB1B, NSOVV, K0PP/7, KD0EE, K4LTA, K6XO/7, K7QQ, KC8FS, N0BSH/9, VE4VV, and VE7NTT, FB!!

DX IS: "It's amazing how Gintas at LY2WW finds my mobile signal so consistently, year after year!" (WJ6Q/M)

"Nice Contest" (IK4GNH)

Overseas activity was hot and heavy for this contest. Thirty-three "DX" stations submitted logs this year compared to twenty-seven in 1989. If you operated from California, you probably remember having a DL. LY or a wiley 4Ul climb over your pileup of W9s and WB5s. K4XS said, "Got beat to CA by Italians and Spaniards in 1st hour of contest!". Tree, N6TR, operating 4UITU.

edged out Gintas LY2BKW, operating from LY2WW. The margin was about 100 QSOs and Tree set a new European record for the CQP, while finishing in the top twenty! These two were everywhere on the bands. At the finish line Gintas said, "Well done Tree. the wine is on me". Third place in Europe went to another of the five LY contesters who sent in logs. Saulius, LYR17S1 operated from LY2ZO and racked up 28.2k points. In Asia, the old record of 5k points was shattered by JH7WKQ with a fb score of 20.5k (173x47). Tatsuya's fine effort has given the Asian ops a tough target to shoot at in the future. Second place went to JP1BJR followed by JH1UUT in third spot. A new N.American DX record of 8.5k points was established by Isaac, NP4P. Our African entry was Tom at 5H3TW who managed to snag a few CA stations with his 100 watts and a whip ten feet off the ground. LU6EF, Raul had a fine effort from South America.

Novice/Technician (N/T) RESULTS

Sixteen novice/technician entries were received and once again KB6HWZ Greg, set a new N/T record from Shasta county. His 50.9k score upped the old 47.3k California N/T mark. In second place was Tim, N6WIN with 29.8k. Outside California Bob, N9ICH repeated his feat from last year and took top N/T honors again. His 18.3k score was followed by the 14.1k posting of KA1SSU, Ray. The 14 year old from Maine also took top spot in his state! Congrats to Greg. Tim, Bob and Ray.

COUNTY EXPEDITIONS (single op)

Some operators venture out-of-town to do county expeditions and set up their stations, antennas, generators, etc., from scratch. These brave souls withstand many hardships: cold wx, cold food, cold feet, cold dice-tables.

Once again Larry K6AAW, showed us all how to do a county expedition. Operating from the Siskiyou/Trinity county line, his 123k points snagged a first place finish for the 2nd year in a row in this class. Coming in second was John N6JM, from Sierra county; and placing third was our only Mariposa entry Herschel, AA6QY. Other ops braving the elements who deserve our thanks: W6TVP on the Trinty/Shasta county line; N6OM with his 100 watts and a vertical from Butte county; N6AU handing out Alpine, Mono and Toulumne counties; WA6FIT also dished out several hundred QSOs from Toulumne and Inyo; in Kern we had N6LL; WA6BIL pushed San Bernadino county; and WA60ZZ put on Modoc. Congrats and thanks to these brave expeditioners . .

MOBILE SIX "Sure is fun to turn a business trip into a drive thru CA countryside and activate some counties!" (WM2C/M6)

Whether marine mobile or auto mobile, the ops in their vehicles provide many QSOs from often rare counties. WJ6Q/M racked up 500+QSOs from Tehama and Shasta counties to snag the Most-QSOs-BY-A-CA-Mobile award. The boys at K6MO/MM (+N6KG) provided 400 QSOs and four counties from the "4 corners" area in San Francisco Bay. Ken, WM2C/M6 handed out seven counties as he motored across the State on holiday. Another marine mobile was N6IFW/MM from San Joaquin county and N6GKY/M handed out a few from Contra Costa. THANKS TO ALL!

SWEEPS

This year eight single-op stations managed a sweep of all 58 CA counties: K4XS, K9ZO, KE9I, NBIB, N5OVV, KVOI, NOBSH/9. VE7NTT. In twenty-five years of the CQP, this has only been achieved by 17 stations.

SPECIAL AMARDS

Once again the MCCC wine cellars flow forth to reward those one skillful and sneaky enough to make the too twenty.

TOP THENTY

CALIFURNIA: N615 (at M660), M6REC.
KA6SAR (at N6VR), K16IH (at K6IT), MC6U.
M1FER/6, K6HIH, MA6AUE, MA6FEV, M6TV,
M6UGF, VEFMXI (at K06IY), M1EE (at
M6BIF), M6C (at M6AB), M6EX, K16C5,
M6JTI, M6TKV, M6HC, M6BSY.

QUISIDE CALIFORNIA: MOBSH/9. K4IS. VETNIT, KE9I, KVOI. MBIB. K4LTA. MICC/2. K9IO. MSCVV. K6IO/7. AASJF/2. KFOT. K2TA. METB. MAIFCH. KOPP/7. M6TR (at 4UIITU), MJZO. K700.

.

CALIFORNIA CX CSOs AWARD (S/O):

(Sconsored by K4TKA)

**EXASSARI (at M6VR)

QUT-OF-STATE TW QSOS AWARD (S/O): (Soonspred by (4TKM) TMSPW61

CA MOBILE S/O or TEAM WITH MOST QSOS: (Soonsared by Reswood Empire DI Assn.) 18/360/M1

INSTALL CHAMPIONS, 200 watts or less:

REFORM Out-of-state Winner

TOP DI STATION:
(Seensored by MATKY)
#MATRE (at 4011TU)

This is a tough accomplishment, and these stations are to be congratulated. WOW! FB!

In California, only six single-op stations were able to snag all 58 states and provinces: N6TIB, W6REC. W6GO, K6XT, W6AB, N6VR. In 1989, over twenty-seven ops claimed a sweep. The elusive VEB was the multiplier missed by most of those not managing a sweep.

SOAPBOXES: CALIFORNIA

Last year relatives visited, this year TVI visited! (K7JYE/6). My first contest for score: had a blast (W6ROY). Had to quit the contest and work the church BBO! Shucks! (W6DDB). Enjoyed the contest; not sure my wife did! (KI6PG). Got laryngitis after the first hour! (WW6O). No contesting from a CQ zone lower than 7! (AI6V). Low score due to opening of deer season (WA60ZZ). Hardest thing to find on the band was a clear TX frequency! (WD6CKT). These computers are great logging devices, but sure can screw a guy up if not careful! (W6KNR). First contest in ten years (NODJJ/6). This and the WPX are the only contest in which anyone answers my CQs! (AE6Y). Had two cars on the blink, only did 8 hours (N6ARO/6). My guest op, KI6ZH, had a great time: just give him two 6-paks of Jolt cola and a bag of Fritos and he's ready to go!! (K6XT). No antennas over 5 feet above roof. (NE6I). Thanks to Mom KA6ING, and Dad KD6XY for the use of their station (VE7NKI/6). Worked VY1AC/HK3 and gave him hell for not being back in the Yukon! (W6UQF). NO VES! (W6TKF) .

Spent too much time tracking down my final two mults: VE6 + VE8. (N6GC at W6AB). Can I trade any of the following in on a VE8:BY1, VS6, VU2, 3B8, 5V7? (N1EE/6). Operated at 9670', very cold in the sleeping bag (N6AU/6). Cold! I gave up my plan to work 80 meters and chose the sleeping bag! (W6TVP/6). Too much work, not enough radio (NI6W).

SOAPBOXES: OUT-OF-STATE

Thanks to all of the W6 stations who dug out my weak backscatter sig from Utah (K6XO/7). Who let these Calif. carpetbaggers into Utah? (WE7B/Utah). This year I was serious and on time! (WA1FCN). Maybe next year I'll go mobile six again in 27 CA counties! (AA4NC). Told my wife: that dancing party on Sun. afternoon was no good (DL4RX). Was mobile; hard to keep the log without accidents (N8NA/M4). Was my 15th consecutive year in the CQP! (WASDIK). Organizers do a fb job, could give lessons to other state QSO parties! (K8HVT). Not in the hunt for your vino; we got some pretty good sipp'n shine in WVA (KC8FS). The CQP and the PA QSO parties are only ones I participate in (NX3A). Keep up the high standard of contest excellence (WA2UDT) . Gud contest, first time (KE2CG). Great contest (K7WA). Best state QSO party around (NOBSH/9). Surprised at the number of

CALIFORNIA

KAHIH

MAGAUE

WALFEY

NATV

227.864

225,777

213,009

196.504

DUT-DF-S	TATE											6	6	
CALL	SCORE	105	10c	155	<u>15c</u>	205	20c	405	40c	805	80c	05	<u>0c</u>	-
N9BSH/9	160,080	762	68	104	45	116	40	89	39	8	7	1	1	1
KAYS	138.968	550	45	94	53	219	46	57	40	2	0	0	0	
VETNTT	114.956	23	20	149	55	301	65	121	47	51	24	7	15	
KE91	113.564	598	42	39	31	97	51	8	30	3	1	0	0	
KVOI	111.012	538	58	91	36	69	53	10	19	0	0	0	0	
NB1B	93,496	302	42	126	52	68	61	21	31	4	4	0	0	
KALTA	83,985	152	47	115	69	103	55	44	60	0	2	0	0	
NICC/2	75.126	218	44	139	51	84	42	2	7	0	0	0	0	
K920	73.428	155	40	106	61	88	46	23	27	0	0	0	0	
NSDVV	73.312	524	2	50	0	48	0	7	0	0	0	0	0	
11111111		11111	1111	1111	1111	::::	::::	::::	1111	1111	1111	1111	1111	

												6	6
CALL	SCORE	105	10c	155	15c	205	200	405	40c	805	80c	05	<u>0c</u>
W65D	354.554	1581	98	269	118	357	78	71	102	57	48	24	21
WAREC	284.026	1207	77	39	114	310	159	110	99	54	10	10	20
NAVR	279,792									37			
KAIT	245.862									32			
NC90	244.104									33			0
WIFEA/6	238,032									22			14
HAI SHILL			100									1	

747 105 312 127 275 111 61

774 126 80 131 211 105

810 66 331 56 205 154

TOP RADIO CLUB ACTIVITY AMARD

(Sponsored by the Palo Alto Amateur Radio Assa)

Only one California radio club submitted the required 5 logs for the Palo Alto award. We did however have nine clubs listed on various summary sheets.

EVaca Valley RCs 459,005 (K6HIH, M'AN, MAUUE, WIAF, MARDY, AAAAM, NAGWS. KAAFDI, KAAFDH, MAWYF, KKACJ)

ESouthern California Contest Club: 713,091 (NoVR, MODUF, MAGUF, MAGUF)

ERIVER City Contesters# 448,061

EMorthern California DI Clunt 322.867 (KATRE, NoJR, KADR)

ELittle Guns Contest Conspiracy: 132,805 (KIAVC, MBARIE)

Redwood Empire DI Association8 58,527 (K6LRM, KE6ML)

SCal Tech Radin Clubs 19,272

counties workable! (KE9YR). I was CQing for CA and HZIAB called me! (KR4M). Thanks for the invite (KC1CU). Worked 11 new counties! (EMCQT). Eleven new counties (W8EAO). This was my first attempt at computer logging and QRP; not too sure about the computer (KC1BS). Apologies to those I duped; computer died on fourth QSO (WB7TJI). CW ops would get more action if they didn't try to break the sound barrier (KC2IO). Too few CA statioms in contest; long waiting lines (W8FEC). I like these major contests! (AB4LX). A county hunter's dream come true (WA9PQY). Mamy ops thanked me for Quebec, in French! (VE2UL). WJ6Q/M gave me Tehama for a sweep (NB1B).

THANKS

1 1

2

49

65

81 80

36 31

420 161 247 155 153 116 45 71 48 29 9 17

3 9

50 16

0 0

21

0

Many people work together to make this event the success that it is. Gary VE7NTT/WA6VEF, and Niki VE7NKI handled the publicity, and did some fund raising. Using letters, flyers, telephone and dogsled, they are the primary reason for the FB turnout. de EBOFDQ: "I want to thank Gary and Niki for sending me the info on the contest. I'm mot sure how I came to receive the package; but this was my first contest and I really enjoyed it." I think that note from Nancy KBOFDQ, says it best.

Other hard workers were area-coordinators fielded by the NCCC Vice President, Bob N6TV. These people helped get 58 California counties active: KI3V/7, N6KT, K6LRN, K6KLY, KI6EZ, N6EK, W6ISQ, K6ZM, KA6ING, W6BSY. N1EE/6, AD6E, WB6MZQ, NC7K, WA6AUE.

A very big round of applause for Bruce, W6OSP for keeping the NCCC wine cellars well stocked; and to Bob. N6EK for managing the awards. Howard, WZ6Z mailed the awards,

And without our fine sponsors, our walls wouldn't have any "wallpaper". A very large round of applause for the following sponsors: W6TKV, K4TKM, KA6ING, W6JTI, WJ6Q, K6MP, WA6OTU, WA6ZBX, N5OVV, VE3BQL. the Palo Alto Radio Assn., and the Redwood Empire DX Assn.

BE READY FOR CQP-1991. OCTOBER 5, 1991

THANK YOU ALL VERY MUCH

73, Jim WA6AUE

FINAL SCORES:		
Cail, score, total QSOs, total CW	The state of the s	11FEA/6 238,032 1893 (390) 57
QSOs (in parentheses), multiplier.		6JY 60,792 442 (308) 51
An s = new simple-op contest		TYGH 54,908 518 (0) 53
record: (M/S)= multi-simple: (CE)		GEDR 43,804 371 (190) 47
s single-op CA county espedition:		CF6A 26,964 214 (214) 42
(MCE) = multi-op CA county		6HKR 22,932 182 (182) 42
espedition: (M/T) = Movice/Tech;		CIGCA 18,900 180 (180) 35 CGSS 11.655 111 (111) 35
/N = mobile.	1	
THE RESIDENCE OF THE PARTY OF T		BR2C/N6 336 14 (0) 12
CALIFORNIA:	Medde 24,552 186 (186) 44	an gernagino
Alaseda		
M6EX 176,928 1266 (572) 57	M8200H/6 2,160 36 (0) 30	MENIN (N/T)
K6CSL 7,740 96 (66) 30	TOTAL STREET,	29,820 355 (0) 42
KEARE 147 7 (7) 7	Madera (A) (W86VVS 24.811 211 (155) 43
	KD6FW 142,800 1275 (0) 56	MENDY 19,152 152 (152) 42
Alpine/Mono/Toulusne	MB6L 63,666 514 (151) 54	MA68IL (CE) 4,843 69 (29) 29
M6AU/6 (CE)		THE RESERVE TO SERVE THE PARTY OF THE PARTY
22,184 208 (56) 47		am Diego
The balance of a bent benefit of the benefit	K6LRM 55,272 435 (258) 49	KEXT (KIEZH, OP)
Alaine		245,862 1948 (343) 58
MD6EKR 9,272 122 (0) 38	Mariposa	MAUOF 192,090 1404 (562) 57
KIGOS (+WSGL, MGTHR, KAGLVA) (MCE)	AAGOT (CE) 53,091 347 (347) 51	ME6T 158,916 1090 (608) 57
		MANYN 93,060 572 (548) 55
21,238 259 (0) 41	Mendocino	32 (411) 1A1 200 PM
The contract terminal and the first	EX 66E (+M6YBL) (N/S)	(201) !!
Anador	65,890 599 (0)55	MB6MSE 10.064 148 (0) 34
E68PB 64,584 414 (414) 52	man and a second	KC6EYZ 6,732 102 (0) 33
WE AND RESERVED TO SHEET THE REAL PROPERTY.	Merced	AA6EE 2,538 47 (47) 18
Butte	KS6H (+N6ZB) (MCE)	
MODJ3/6 46,971 307 (307) 51	265 701 2006 [451] 57	tu fermine
M60M (CE) 25,871 216 (199) 41		Sas Francisco
	Rodoc CARA (470) 50	WABIP (NIEE, OP) 179,721 1384 (385) 57
Calaveras	SWEREC 284,026 2209 (479) 58	
KERK 39,985 356 (15) 55	MAGOZZ (CE) 2,090 55 (0) 19	K6ILM 62,381 524 (129) 53
		A P LEAD OF STATE OF ALL
Contra Costa		San Joaquin
M86MZQ 54.800 548 (0) 50	WOSCKT 35,344 338 (76) 47	W6FAH 59,228 559 (21) 52
AK6T 29,380 211 (143) 52	NGYKL (+W7CB) (MCE)	M6SUZ 32,340 245 (245) 44
M6GXY/H 3,672 68 (0) 27	176,512 1433 (286) 56	NGIFU/NA (N/T)
KAZH (+MP4IW) (M/S)		3,968 64 (0) 31
27,495 266 (79) 45	Napa	KJ6DL (+KA6BIM, N6KMR) (HCE)
Colored to the second second second	#MAF51 105,393 735 (379) 57	174,420 1522 (16) 57
Contra Costa/Marin/Solamo/Somoma	The English Country Co	
K6HO/MM (+N6K6)	Mevada	San Luis Obispo
52,185 401 (263) 49	WASAUE 225,777 1724 (513) 57	WETKF 158,346 1209 (360) 57
25,100 401 (500) 41	MR2C/N6 448 16 (0) 14	
Aul Marte	an cathering to the miner of	San Mateo
AA6UN 44,361 418 (1)53	Orange	KD6XY (VETHOXI, OP)
	ENCSU 244,104 1963 (433) 56	188,385 1626 (53) 57
K6HY 41,973 357 (109) 51	KA6PUN 60,904 662 (0) 46	MEMF 35,415 365 (57) 45
La designation of the same and the	()	M6150 24,108 210 (154) 42
El Dorado		M6KZJ 3,450 46 (46) 25
M6TIB 159,616 1227 (298) 58		KC6MFE (M/T) 520 20 (0) 13
W6SUM 151.050 1325 (0) 57		
Fresho		Santa Barbara
M66JI 101,136 903 (0) 56	NGHICH 7,676 101 (0) 38	ENA6FEV 213,009 1715 (307) 57
WESTH 2 1 (0) 1	AND DESCRIPTION OF THE PERSON	
2001III 6 1 (V) 1	Placer	MEAS (NEEC, OP) 179,394 1368 (357) 58
elan.	WARFF 35,800 285 (146) 50	
ANG (AAAGER) (MCE)	MH2C/H6 364 14 (0) 13	
ADSE (+AASFB) (HCE)	KETHE (+MESZM, MEGAT, KSXI) (MCE)	M6ZJX 84 7 (0) 6
133,896 1034 (323) 56	225,321 1753 (447) 57	**************************************
n		Santa Clara
Musboldt	Plysas	MeTV 196,504 1480 (549) 56
M6JTI 169,736 1294 (443) 56	EF7AN/6 39,600 264 (264) 50	KIGCG 176,848 1579 (0) 56
	ED6VN 17,876 216 (4) 41	AAAKX 128,425 1032 (271) 55
Isperial		AE67 92,448 675 (362) 54
MIGH (+N7CH,K9VV) (NCE)	Riverside	MAGHRX 26,624 256 (0) 52
255,759 2043 (401) 57	M6TKY 169,347 1478 (15) 57	AJ6T 7,491 101 (25) 33
MERTY (+KB7INC, WZ7V, ML70T, WNESKE	MAEEN 48,108 422 (0) 57	MANUE 6,072 92 (0) 33
M799J, AA7CD, KB7IN, KJ40Z,	MANK 9,724 143 (0) 34	MAGSON 5,053 58 (47) 31
KK60P,KB8JGU !!) (MCE)		MAPRI 3,900 50 (50) 26
8,346 107 (0) 39	Secrements.	KJAFO (+KBAMLO) (N/S)
	Sacramento succo (Mele, DP)	177,596 1531 (0) 58
laro	254,554 2824 (465) 58	MM6Z (+M6HKT) (H/S)
BAGFIT (CE) 6,148 106 (0) 29	#1(m) m, (m) m	22,264 225 (54) 44

Santa Cruz		HT.		. 14	USA/VE/DX					Indiana		041	(154) 5	
M26A	126,000		(436) 5	36							35,226	901	(0)	
AAGHV (+	M6ULI) (M/S				Alabana					KB0C/9			(143)	
	76,704	816	(0) 4	17	EKK4TE	48,345	430	(19)		ESJAI	17,160		(0)	
					AA4UF	23,409	222	(15)		W99	8,904	106	(0)	
Shasta			101 .		MAAVEX	9,990	111	(0)	45	K91S	6,536		(0)	~
K1660	151,760	1355	(0) 5	00	Mark									
EKBEHUZ (P	the state of the s		101 1		Alasta	** ***				Tons	34,542	303	(0)	17
	50,968	554	(0) 4		KL7AF	14,160		(118)		MOJIC	20,286		(147)	
WB65RQ	25,578	261	(0) 4		AL7LU	9,072	84	(84)	36	WONGS/M	5,370	177	(31)	
M/09EM	19,776	206	(0) 4	18						SUMSS/N	3,3/0	"	(31).	,,
					Arizona		174	1211	**	*****				
Sierra					M7JXS	18,814	1/0	(71)	46	Eansas	41,776	373	(0)	и
NEJH (CE		1000	(182) 5		\$10,900,000,710					TLYOSUS	34,476	271	(134)	
MM2C/H6	18	3	(0)	1	Artansas			(***		MMOF		154	(0)	
					#WA5506	32,997	313	(21)		8A00	14,476	194	(0)	"
Sistiyou				100	WASYBE	19.649	183	(35)						
MBAMBF	61,020	560	(10) 5	54	MENHT/S	9,768	111	(0)		Kentucky	F3 444	412	/1001	. 7
					KYSM	8,588	113	(0)		EKN4FO	53,808	412	(120)	37
Sistiyou/					W85RY8	3,224	49	(6)	31	EB48VP (N.	1000	199	141	
KEAAH (CE						100				www. /w/	11,316	123	(0)	10
	123,519	1020	(127) 5	5/	Colorado					MAHID (M/1		149	141	
[1]					MOIZA	7,585	62	(61)			10.272	107	(0)	-6
Solano					K6780/0	377	14	(1)	13	MO4JLT (M	70.0	144	(4)	
HIHOXE	227,864	1825	(419) 5		- T					*****	9,568	104	(0)	
MXCH	125,888	1124	(0) 5		Connecticut	The second second second	4400			MA4OHO	9,292	101	(0)	40
MX6F	12.012	124	(60)		#WA1FCH	61,389	429	(219)		191 79 39 55				
MAGEN	10,472	111	(86)		K8HVT/1	52.864	402			Louisiana		***	1021	
MEROY	10,179	ID	(117) 2		K18V	30,855	500,000	(103)		KISHP	28,458	250	(27)	
M6QUS	5,244	69	(0)	38 .	KITH	20,482	165	(88)		MSII	17,664	176	(16)	48
MANYF	2,288	44	(0)	26	WE 66/1	5,740	81	(2)	25	KBSKIX (N.			(*)	
KAGFDI	1,666	49	(0) 1	17							8,000	100	(0)	40
KX 6CJ	1,360	40	(0)	17	Delaware			2000		79 14				
KALFDH	2	1	(0)	1	BMISA	55,746	489	(0)		Baine				
MAUUG (H	IAM, BZLAN	U) (H/S	()		KSHBP	36,612	285	(108)		KAISSU (M.				
	61,830	687	(0)	45	KABUSZ	8,658	111	(0)			14,100	150	(0)	
					AD3Y	2,162	40	(14)	23	KALEAP	7,828	103	(0)	
Senona										NIAFC	3,816	53	(53)	
KD66C	58,800	393	(390)	50	Florida					KC185	3,564	54	(0)	33
KC60CL	49,712	363	(230)	52	#X4XS	138,968	1106	(184)	58					
KEGWL	3,255	52	(1):	31	MC4E	32,968	261	(112)	52	Haryland/D		1		
Stanislau					MAOKD	12.768	336	(112)	38	W3F6	19,440	158		
#WA6ZBX	154,926	1359	(0)	57	WASOTK/4	5,402	69	(8)	37	MILLER	7.120	89	(0)	
MEE	62,552	541			WK4F	4,602	59	(0)		W4KH/3	4,002	46	(46)	29
-		• • •	,,,,		W84KJH	200	10	(0)	10					
Sutter										Massachuse				-
WM2C/M6	432	18	(0)	12	Georgia					#MB1B	93,496		(190)	
mite, un	100				AA4GA	38,319	293	(137)	53	MIDCH	18,520	168	(127)	40
Tehana					ER4M	33,220	266	(72)	55	KAISPO ()	The state of the s			
MIPO'N	30,870	205	(40)	19	AB4LX	29,375	258	(109)	47		9,632	112		
P494/1	30,070	673	(-4)	ONE STATE	AA4VD	17,514		(139)		MAILIP	520	20	(0)	13
Trinity/S	h				MAUZ	14,514	118	(118)	41					
	E) 27,480	229	(229)	40	KB46ID	.12,440	106			Michigan				140
BOITF (L	L1 21,480	41	(227)	***	A84HR	8,658	105			. K8DD	20,298	170		
Tules					AB4HQ	2,378	41			K80SF	12,874	157		
Tulare	11 201		(1171	41		(3.5	4.5.4		REMAN	12,600		(100)	
MEIFC	14,391	11/	(117)	**	Mawaii					KEPEJ	4,284	63	(0)	34
					KHEDLW	7,800	100	(0)	39					
Toulusse	**				MACHE	2,813	43			Minnesota				
MALFIT (1-1			2,013	77	,,	(7.5)	KFOT	67,144	476	(247)	54
10000	21,756	222								MA27W0/0	53,254	433		
KIEPE	14,018	163	100000		Illisois					M6V8/0	30,784	244	(104)	
					K9ZO	73,428	\$44	(174)	58	EBOFDQ	28,322	289		
Ventura	Constitution and				HOFFZ/9	33,904		(208)		KFOGV	26,877	263		
MAYR (KA	MESAR, OP)	75.00		22	WA9F	15,900	159	10767		MOHJZ	25,272	234		
	279,792		(694)		MASPQY	13,632	116			TIPOAM	8,840	110		
	43,778	404	100000000000000000000000000000000000000		KETTR	10,230	107			AK73/0	1,825	34		
EXECT		32	(19)	14	KB9CTJ (N			,,-,			MOET) (R/		1-1	
EX6CY E6RP	1,162				marcia (N	8,568	102	(0)	42		100,108	780	(166)	58
EX6CY E6RP	(UNG-2011+)		100			8,208	96							
EX6CY E6RP			(514)	57	MINO									
EX6CY E6RP	(UNG-2011+)		(514)	\$7	MU90 ESEEY/N					Biggiogin	o i			
EXECT EERP MASPZL ((UNG-2011+)		- 4		K9KKX/H	7,056	84	(0)	42	Mississips		631	(2)	58
EXECT EERP MASPZL ((+M6EMU) (1 179,892	1321	- 13		K9KKX/M MA9HRU	7,056	84 53	(0)	42 32	Mississips #MSOVV	73,312	631	(2)	58
EXECT EERP MASPZL ((+M6EMU) (1 179,892	1321	- 13		K9KKX/H	7,056	84	(0)	42 32	#NSOVV		631	(2)	58
EXECT EERP WAEPZL (Yelo WH2C/NE	(+M6EMU) (1 179,892	1321	- 13	10	K9KKX/M MA9HRU	7,056	84 53	(0)	42 32		73,312	631	(2)	58

Missouri				MDSCTX (N/T)				Virginia			
KB6L0/0	25.700	257	(0) 50		5,168	68	(0)	38	E4BAM	35,760	290	(165) 48
WBOGFY	13,056	128	(0) 51	EBSIOX (A THE REAL PROPERTY.				KACE (K7SY	, 00)		
WOAV	8,976	88	(88) 34		4,012	59	(0)	34		34,128	246	(140) 54
MACOTY	3,276	39	(39) 28	WYSS	3,410	55	(0)		B4SMH	16,080		(134) 40
	-,,		,	MEAO	3,250	44	(33)		MAJED	12,502	133	(0) 47
					The second second	41	(0)		MBNA/H4	546	16	(0) 14
Montana	F7 455	120	(157) 57	WEBTW	1,804	175			monat na	•••	••	10,
SEOPP/7	57,855	427	(19/) 3/	MBLEO	98	7	(0)		W.abiastas			
22.4				EASD (+)	F BR , WOBLLD				Mashington			
Mebrasta	11				36,764	305	(97)	52	2X700	57,640		(149) 55
KAOI	111.012		(166) 58						MACRJY/7	11,096	104	(84) 38
AKOS	22,350	199	(49) 50	Otlahous					K7SS	10,296	115	(56) 36
				MSMBD	22.896	216	(0)	53	ETHA	7,326	74	(74) 33
Nevada				AASHN	1,170	26	(26)	15				
K13V/7	24,624	219	(75) 48		15.670.00		0.000		West Virgia	ia		
AATEN	1.260	35	(0) 18	Or anna					BECBFS	28,728	252	(28) 54
KB76AP	1,134	27	(0) 21	OT egos	18,582	162	(163)	20				,
AD/ GAP	1,15	.,	(7 22	AA7CP		163	(192)	30	Minnesia			
				W/BU (N.	III. OP)				Wisconsin			
New Hamps		-			6,789	219	(5)	31		160,080	1280	(200) 58
MIUN	975	22	(21) 15	Pennsylva					MAICH (N/L		180	(0) 51
						200	(126)	40	M9 JAK	16,416	171	(0) 48
Hew Jerse	Y			KSRJ	26,558	208			K9JIG	9,720	108	(0) 45
WB2DIN	39,591	343	(61) 53	3HHEN	17,014	181	(0)		EBSARA (N/	T)		
WAZUDT	28,153	247	(105) 47	ESTX	16,974	165	(39)			9,430	115	(0) 41
WZKHT	24,769	207	(113) 47	MOXX	15,686	152	(37)		KA9FOX	5,379	76	(11) 33
MAZHCY	24,064	215	(95) 47	W3FJY	14,812	161	(0)	46	ME9QFX	3,584	54	(0) 32
		1313	(0) 46	KASHH	9,583	93	(73)		THE RESERVE OF THE PARTY OF THE			
XE2C6	23,000	250		KC3ZZ	8,400	100	(0)		KAPUSV	3,432	44	(0) 39
MZKZH	22,419		(159) 47	MTOF	7,904	104	(0)		MI9C/H9	2,700	45	(0) 30
EC210	6,956	82	(24) 37	K3CP	7,372	81	(32)		MARE	1,311	23	(23) 19
KZEWA	6,734	91	(0) 37			- 1600						
AE2X	3,360	40	(40) 28	M386V	3,472	46	(32)		Wyoning			
KZRXN	128		(0) 8	WV28/3	3,348	49	(10)		M7M6	144		(08) 6
			A. 180	R3MEO	3,120	40	(40)	26	(30047A)	7.00		
Hew Meric				EC3XD	2,958	51	(0)	29	Quebec			
KSOO	13,905	129	(51) 45	WINTER	2,280	38	(0)	30	VEZAQP	17 814	190	(84) 47
METTE	11,800	104	(87) 40	M3CZB	1.800	25	(25)			17,014	139	
KM55	5,256	73	(0) 36	WAZJXW	260	11	(4)		VE2UL	3,660	54	(14) 30
KH6JKY/5	(+K7UP) (1	1/5)		KM3D	45	3	(3)		WE2AB0	3,240	40	(40) 27
	44,631	346	(91) 57	ansv	45	•	(3)	•				
					-1				Ontario			
New York				Rhode Is	THE STREET, CARLES				WE3KK	22,572	174	(165) 44
	95 197	***	1.111 52	KC1CU	18,630	135	(135)	46	VE380L	17,114	162	(74) 43
M1CC/2	75,126		(144) 57						VE308U	13,250	132	(1) 50
AASJF/2		***	(179) 57	South Car	olina							
	69,711			And distance of the			1191	46	WE SHI		77	1451 37
KZTA	65,296	481	(204) 56	MEDKY/4	14,444	126	(62)	40	. VESHX	6,368	77	(45) 32
WJ20	65,296 57,7 5 0	481	(214) 55	WADKI/4	14,444	126	(62)		VESTOL	1,564	34	(0) 23
	65,296	481				126	(62)	**				
MAZJ	65,296 57,750 32,188	481 418 250	(214) 55 (119) 52	South Dal	tota				VESUFH	1,564	34	(0) 23
MJ20 MV2J M2H6	45,296 57,750 32,188 31,875	481 418 250 250	(214) 55 (119) 52 (125) 51	South Dal	43,248	351	(114)	53	WESTJL WESLFH Manitoba	1,564	34 54	(0) 23 (0) 21
MJ20 MW2J MZH6 MX2U	45,296 57,750 32,188 31,875 7,200	481 418 250 250 100	(214) 55 (119) 52 (125) 51 (0) 36	South Dal	43,248 27,821	351 234	(114) (179)	53 43	VESUFH	1,564	34 54	(0) 23
MJ20 MV2J M2H6 MX2U KE2VF	45,296 57,750 32,188 31,875 7,200 2,700	481 418 250 250 100 50	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27	South Dal	43,248	351 234	(114)	53 43	WESTJL WESLFH Manitoba	1,564	34 54	(0) 23 (0) 21
MJ20 MV2J M2H6 MM2U KE2VF KB2HWV	45.296 57,750 32.188 31.875 7.200 2,700 2,448	481 418 250 250 100 50 102	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24	South Dal	43,248 27,821	351 234	(114) (179)	53 43	VESIJI VESIFH Manitoba SVE4VV	1,564 1,134	34 54	(0) 23 (0) 21
MJ20 MV2J M2H6 MM2U KE2VF KB2HWV K15FJ/2	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016	481 418 250 250 100 50 102 42	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24	South Dal	43,248 27,821 20,240	351 234 183	(114) (179) (74)	53 43 46	VESIJI VESIFH Manitoba svE4VV Sastatchewa	1,564 1,134 47,358	34 54 363	(0) 23 (0) 21 (153) 54
MJ20 MV2J M2H6 MM2U KE2VF KB2HWV KI5FJ/2 MK2H	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520	481 418 250 250 100 50 102 42 34	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20	South Dal *KDOEE KOERM KOWIU	43,248 27,821 20,240	351 234 183	(114) (179)	53 43 46	VESIJI VESIFH Manitoba SVE4VV	1,564 1,134	34 54 363	(0) 23 (0) 21
MJ20 MM2J M2H6 MM2U KE2VF KB2HWV K15FJ/2 MK2H MM2U	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440	481 418 250 250 100 50 102 42 34 23	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24	South Dai *KDOEE KOERM KOWIU Tenesse	43,248 27,821 20,240	351 234 183	(114) (179) (74)	53 43 46	VESIFH Manitoba SVEAVV Sastatcheus VESAGN	1,564 1,134 47,358 2 5,076	34 54 363	(0) 23 (0) 21 (153) 54
MJ20 MV2J M2H6 MM2U KE2VF KB2HWV KI5FJ/2 MK2H	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520	481 418 250 250 100 50 102 42 34	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20	South Dal *KDOEE KOERM KOWIU Tennesse: *K4LTA	43,248 27,821 20,240	351 234 183	(114) (179) (74)	53 43 46	VESIFH Manitoba EVEAVV Sastatcheus VESAGN British Col	1,564 1,134 47,358 2 5,076	34 54 363	(0) 23 (0) 21 (153) 54
MJ20 MM2J M2H6 MM2U KE2VF KB2HWV K15FJ/2 MK2H MM2U	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440	481 418 250 250 100 50 102 42 34 23	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24	South Dal *KDOEE KOERM KOWIU Tennesse *K4LTA	43,248 27,821 20,240 L 83,985	351 234 183	(114) (179) (74) (233)	53 43 46	VESIFH Manitoba EVEAVV Sastatcheus VESAGN British Col SVETMIT (ab	1,564 1,134 47,358 8 5,076 usbia a MAGYEF;	34 54 363 64	(0) 23 (0) 21 (153) 54 (13) 36
MJ20 MV2J MZHG MX2U KE2VF KB2HWV KISFJ/2 MX2H MM2U MZXJX K2AU	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170	481 418 250 250 100 50 102 42 34 23 30 27	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15	South Dal *KDOEE KOERM KOWIU Tennesse *K4LTA Telas MSUDA	43,248 27,821 20,240 83,785	351 234 183 647	(114) (179) . (74) (233)	53 43 46 55	VESIFH Manitoba syE4VV Sastatcheus VESAGN British Col syE7NTT (ai	1,564 1,134 47,358 2 5,076 unbia 4 WA6VEF 114,956	34 54 363 64 878	(0) 23 (0) 21 (153) 54 (13) 36 (226) 58
MJ20 MV2J MZHG MX2U KE2VF KB2HWV KISFJ/2 MX2H MM2U MZXJX K2AU MZXJX K2AU WZYSS	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360	481 418 250 250 100 50 102 42 34 23 30 27	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10	South Dal *KDOEE KOERM KOWIU Tennesse *K4LTA Telas MSUDA MSPMG	43,248 27,821 20,240 83,785 40,560 36,855	351 234 183 647 260 273	(114) (179) (74) (233) (260) (273)	53 43 46 55	VESIFH Manitoba EVEAVV Sastatcheus VESAGN British Col SVETMIT (ab	1,564 1,134 47,358 8 5,076 usbia a MAGYEF;	34 54 363 64 878	(0) 23 (0) 21 (153) 54 (13) 36
MJ20 MV2J MZHG MX2U KE2VF KB2HWV KISFJ/2 MX2H MM2U MZXJX K2AU MZXJX K2AU WZYSS	45,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170	481 418 250 250 100 50 102 42 34 23 30 27	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15	South Dal *KDOEE KOERM KOWIU Tennesse *K4LTA Telas #SUDA #SPMG #SCOP	43,248 27,821 20,240 83,785 40,560 36,855 35,722	351 234 183 647 260 273 291	(114) (179) (74) (233) (260) (273) (92)	53 43 46 55 52 45 53	VESIFH Manitoba syE4VV Sastatcheus VESAGN British Col syE7NTT (ai	1,564 1,134 47,358 2 5,076 unbia 4 WA6VEF 114,956	34 54 363 64 878	(0) 23 (0) 21 (153) 54 (13) 36 (226) 58
MJ20 MV2J MZHG MX2U KE2VF KB2HWV KISFJ/2 MX2H MM2U MZXJX K2AU MZYSS MO2AJS (1	65,296 57,750 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264	481 418 250 250 100 50 102 42 34 23 30 27	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10	South Dal *KDOEE KOERM KOWIU Tennesse: *K4LTA Telas #SUDA #SPMG #SCOP WASITX	43,248 27,821 20,240 83,785 40,560 36,855 35,722 21,100	351 234 183 647 260 273 291 211	(114) (179) (74) (233) (260) (273) (92) (0)	53 43 46 55 52 45 53	VESITAL VESITA Nanitoba svesve svesken VESAGN British Col svesken VESES	1,564 1,134 47,358 2 5,076 unbia 4 WA6VEF 114,956	34 54 363 64 878	(0) 23 (0) 21 (153) 54 (13) 36
MJ20 MV2J MZH6 MM2U KE2VF KB2HWV KISFJ/2 MK2H MM2U MZXJX KZAU WZWSS MD2AJS (I	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264	481 418 250 250 100 50 102 42 34 23 30 27 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dal *KDOEE KOERM KOWIU Tennesse *K4LTA Telas #SUDA #SPMG #SCOP	43,248 27,821 20,240 83,785 40,560 36,855 35,722 21,100	351 234 183 647 260 273 291	(114) (179) (74) (233) (260) (273) (92) (0) (0)	53 43 46 55 52 45 53 50	VESTUL VESUFH Manitoba sve4vv Sastatchewa VESAGR British Col sve7xIT (ail VE7EXS Africa	1,564 1,134 47,358 5,076 unbia 4 MA(VEF) 114,956 2,683	34 54 363 64 878 41	(0) 23 (0) 21 (153) 54 (13) 36 (226) 58 (41) 21
MJ20 MV2J MZH6 MX2U KE2VF KB2HWV KISFJ/2 MX2H MM2U MZXJX K2AU WZYSS MD2AJS (1	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dal *KDOEE KOERM KOWIU Tennesse: *K4LTA Telas #SUDA #SPMG #SCOP WASITX	43,248 27,821 20,240 83,785 40,560 36,855 35,722 21,100 5 18,032	351 234 183 647 260 273 291 211	(114) (179) (74) (233) (260) (273) (92) (0) (0)	53 43 46 55 52 45 53 50	VESITAL VESITA Nanitoba svesve svesken VESAGN British Col svesken VESES	1,564 1,134 47,358 2 5,076 unbia 4 WA6VEF 114,956	34 54 363 64 878	(0) 23 (0) 21 (153) 54 (13) 36 (226) 58 (41) 21
HJ20 MH2J HZHG HM2U KEZYF KBZHMY KISFJ/2 HKZH HM2U HZXJX KZAU HZXJX KZAU HZXSS HM2ASS HM2ASS HM2ASS	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 R/T) 264 0list 10,260 5,440	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dal **KDOEE KOERM KOWIU Tenbesse: **K4LTA Telas #*SUDA #*SPMG #*SCOP ##ASITX ##BOMSA/! ####################################	43,248 27,821 20,240 83,785 40,560 36,855 35,722 21,100 5 18,032 5 17,901	351 234 183 647 260 273 291 211 184	(114) (179) (74) (233) (260) (273) (92) (0) (0)	53 43 46 55 52 45 53 50 49	VESTUL VESUFH Manitoba sve4vv Sastatchewa VESAGR British Col sve7xIT (ai VE7EXS Africa SHSTW	1,564 1,134 47,358 5,076 unbia 4 MA(VEF) 114,956 2,683	34 54 363 64 878 41	(0) 23 (0) 21 (153) 54 (13) 36 (226) 58 (41) 21
MIZO MWZJ MZHG MMZU KEZYF KBZHGY KISFJ/2 MKZH MMZU MZXJX KZAU WZYSS MOZAJS (1 MOTT CATT K61H/4 MBNA/H4 AAMC	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dal #KDOEE KOERH KOWIU Tenbesse: #K4LTA Telas MSUDA MSUDA MSCOP MASIYX MBONSA/I MM4KKN/I AASLF	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064	351 234 183 647 260 273 291 211 184 163 124	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25)	53 43 46 55 52 45 53 50 49 47	VESTUL VESUFH Manitoba SVE4VV Saskatcheva VESAGR British Col SVETRIT (ail VETEKS Africa SHITIN	1,564 1,134 47,358 5,076 unbia a MAGYEF 114,956 2,683	343 363 64 878 41	(153) 54 (133) 54 (133) 36 (226) 58 (41) 21 (6) 10
HJ20 MH2J HZHG HM2U KEZYF KBZHMY KISFJ/2 HKZH HM2U HZXJX KZAU HZXJX KZAU HZXSS HM2ASS HM2ASS HM2ASS	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 R/T) 264 0list 10,260 5,440	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dal #KDOEE KOERM KOWIU Tenbesse #K4LTA Telas MSUDA MSUDA MSCOP MASIYX MBONSA/I MM4KKN/I AASLF	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 17,901 14,064 9,553	351 234 183 647 260 273 291 211 184 163 124 115	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25)	53 43 46 55 52 45 53 50 49 47 48	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVEFMIT (air VEFEXS Africa SMSTW Asia a JH7MKO	1,564 1,134 47,358 5,076 unbia 4 MASYEF 114,956 2,683 340 20,586	34 54 363 64 878 41 14	(153) 54 (153) 54 (13) 36 (226) 58 (41) 21 (6) 10
MIZO MWZJ MZHG MMZU KEZYF KBZHGY KISFJ/2 MKZH MMZU MZXJX KZAU WZYSS MOZAJS (1 MOTT CATT K61H/4 MBNA/H4 AAMC	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 R/T) 264 01int 10,260 5,440 1,920	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dai #KDOEE KOERM KOWIU Tenesse #K4LTA Teles #SUDA #SPWG #SCOP #ASIYX #BOMSA/ #MAKKM/ AASLF #SMYL MARTMK//	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 17,901 14,064 9,553 7,650	351 234 183 647 260 273 291 211 184 163 124 115 75	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (3)	53 42 46 55 52 45 53 50 49 47 48 41	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVEFMIT (air VEFEXS Africa SMSTW Asia a JH7MKO JP1BJR	1,564 1,134 47,358 5,076 unbia 4 MAYEF 114,956 2,683 340 20,586 5,841	34 54 363 64 878 41 14	(153) 54 (153) 54 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33
HJ20 NW2J HZHG MM2U KE2VF KB2HJW KISFJ/2 HK2H HBI2U HZXJX E2AU HZXJX KZAU HZYSS HD2AJS (I HOTT CAT! K61H/4 HBNA/H4 AAHC KS4S	45,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 cliss 10,260 5,440 1,920 918	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dal #KDOEE KOERM KOWIU Tenbesse #K4LTA Telas MSUDA MSUDA MSCOP MASIYX MBONSA/I MM4KKN/I AASLF	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 17,901 14,064 9,553	351 234 183 647 260 273 291 211 184 163 124 115	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (3)	53 43 46 55 52 45 53 50 49 47 48	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVEFMIT (air VEFEXS Africa SMSTW Asia a JH7MKO	1,564 1,134 47,358 5,076 unbia 4 MASYEF 114,956 2,683 340 20,586	34 54 363 64 878 41 14	(0) 23 (0) 21 (153) 54 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 35
HJ20 MH2J HZH6 HM2U KE2VF KB2HW KISFJ/2 HK2H HM2U HZXJX E2AU HZXJX E2AU HZYJS H02AJS (I	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dai #KDOEE KOERM KOWIU Tennesse #K4LTA Tells MSUDA MSPMG MSCOP MASUTY MBOMSA/ MMAKKIN/ AASLF MSMYL MASUO	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 17,901 14,064 9,553 7,650	351 234 183 647 260 273 291 211 184 163 124 115 75	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (3)	53 42 46 55 52 45 53 50 49 47 48 41	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVEFMIT (air VEFEXS Africa SMSTW Asia a JH7MKO JP1BJR	1,564 1,134 47,358 5,076 unbia 4 MASYEF 114,956 2,683 340 20,586 5,841 5,390	34 54 363 64 878 41 14	(153) 54 (153) 54 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33
HJ20 MH2J HZHG MM2U KE2VF KB2HJV KISFJ/2 HK2H HB2U HZXJX E2AU HZXJX E2AU HZYSS HD2AJS (I HOTT CAT' KG1H/4 HBNA/H4 AAHC KS4S	45,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 cliss 10,260 5,440 1,920 918	481 418 250 250 100 50 102 42 34 23 30 27 12 12	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dai #KDOEE KOERM KOWIU Tenesse: #K4LTA Teles #SUDA #SPMG #SCOP #MASITX #BONSA/! #MAKKM/! AASLF #SMYL #AASUO Utah	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (25) (3)	53 43 46 55 52 45 53 50 49 47 48 41	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVETMIT (air VETEXS Africa SMSTW Asia a JH7WKO JP1BJR JM1UUT JAGLDH	1,564 1,134 47,358 5,076 unbia 4 MASYEF 114,956 2,683 340 20,586 5,841 5,390 2,064	343 54 363 64 878 41 14 173 59 77 43	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 35 (0) 24
HJ20 NW2J HZH6 HM2U KE2VF KB2HW KISFJ/2 HK2H HM2U HZXJX E2AU WZWSS HD2AJS (I	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11	South Dai #KDOEE KOERM KOWIU Tennesse #K4LTA Tells MSUDA MSPMG MSCOP MASUTY MBOMSA/ MMAKKIN/ AASLF MSMYL MASUO	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (75) (0)	53 43 46 55 52 45 53 50 69 47 48 41 34 17	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGH British Col SVETMIT (air VETEKS Africa SMITH Asia aJH7MKO JP1BJR JM1UUT JAGLDH JA9CHJ	1,564 1,134 47,358 5,076 unbia 4 MASYEF 114,956 2,683 340 20,586 5,841 5,390 2,064 720	343 54 363 64 878 41 14 173 59 77 43 15	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 24 (15) 16
HJ20 NW2J HZH6 HM2U KE2VF KB2HW KISFJ/2 HK2H HM2U HZXJX E2AU HZXJX KZAU HZXJX KZAU HZXJX KANA HAAAAC KS4S North Dab	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 37 22	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17	South Dai #KDOEE KOERM KOWIU Tenesse: #K4LTA Teles #SUDA #SPMG #SCOP #MASITX #BONSA/! #MAKKM/! AASLF #SMYL #AASUO Utah	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (75) (0)	53 43 46 55 52 45 53 50 69 47 48 41 34 17	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGH British Col SVETMIT (air VETEKS Africa SMITH Asia aJH7MKO JP1BJR JM1UUT JAGLDH JA9CHJ JRSOXF	1,564 1,134 47,358 5,076 unbia a MA6VEF 114,956 2,683 340 20,586 5,841 5,390 2,664 720 632	343 363 64 878 41 14 173 59 77 43 15	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 35 (0) 24 (15) 16 (12) 12
MJ20 MW2J MZH6 MM2U KE2VF KB2HW KISFJ/2 MK2H MW2U MZXJX K2AU WZWSS MD2AJS (I	45,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918 0ts 11,836	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22 22 106 42 42 42 42 42 42 42 42 42 42 42 42 42	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17	South Dai #KDOEE KOERM KOWIU Tenesse: #K4LTA Teles #K5UDA #SPWG #SCOP #ASITX WBONSA// WMAKKA// AASLF #ASUDA ###################################	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (75) (0)	53 43 46 55 52 45 53 50 64 47 48 41 34 17	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVETNIT (air VETEXS Africa SMOTH Asia SUMPHKO JPIBJR JMIUUT JAGLOH JAGCHJ JRSOXF JLIMNI	1,564 1,134 47,358 5,076 unbia a MA6VEF 1114,956 2,683 340 20,586 5,841 5,390 2,664 720 632 390	343 343 44 878 41 14 173 59 77 43 15 12	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 35 (0) 24 (15) 16 (12) 12 (0) 13
HJ20 NW2J HZH6 HM2U KE2VF KB2HW KISFJ/2 HM2U HZXJX KZH HM2U HZXJX KZAU HZYSS HD2AJS (I	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 37 22	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17	South Dai #KDOEE KOERM KOWIU Tenesse #K4LTA Teles #SUDA #SPWG #SCOP #ASITX #BONSA/ #MAKKM/ AASIF #ASIVI #ASVI #ASUO Utah #K6XO/7	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (3) (75) (6)	53 43 46 55 55 52 45 53 50 49 47 48 41 34 17	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVETNIT (ai VETEXS Africa SMSTW Asia SJMSWKO JANGUM JA	1,564 1,134 47,358 5,076 unbia a MA6VEF 1114,956 2,683 340 20,586 5,841 5,390 2,664 720 632 390 390	343 54 363 64 878 41 14 173 59 77 43 15 12 15 13	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 24 (15) 16 (12) 12 (0) 13 (13) 10
MJ20 MW2J MZH6 MM2U KE2VF KB2HW KISFJ/2 MK2H MW2U MZXJX K2AU WZWSS MD2AJS (I	45,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918 0ts 11,836	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22 22 106 42 42 42 42 42 42 42 42 42 42 42 42 42	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17	South Dai #KDOEE KOERM KOWIU Tenesse #K4LTA Teles #SUDA #SPWG #SCOP #ASITX #BOMSA// #MAKKM/ AASIF #ASWC #ASWC ###################################	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (25) (75) (0)	53 43 46 55 55 52 45 53 50 49 47 48 41 34 17	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVETNIT (ai VETEXS Africa SMITH Asia SJHIMKO JPIBJR JMIUUT JAMLDH JAGCHJ JRSOXF JLIMWI JG216Y JR21RC	1,564 1,134 47,358 5,076 unbia a MA6VEF 1114,956 2,683 340 20,586 5,841 5,390 2,664 720 632 390	343 54 363 64 878 41 14 173 59 77 43 15 12 15 12 2	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 24 (15) 16 (12) 12 (0) 13 (13) 10 (0) 2
MIZO MWZJ MZHG MMZU KEZYF KBZHGY KISFJ/2 MKZH MMZU MZXJX KZAU WZYSS MDZAJS (I MOTTH Cart K61H/4 MSHA/H4 AA4HC K54S MOTTH Dake MBDO Ohio MBLXS KSHMG KSHR	45,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918 0ts 11,836 43,300 17,468 16,469	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22 22 106 42 116 116 116 116 116 116 116 116 116 11	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17 (57) 44	South Dai #KDOEE KOERM KOWIU Tennesse: #K4LTA Texas #SUDA #SPWG #SCOP #ASITX #BONSA/! WMAKKM/! AASUF #KAUDA Utah #K6XO/7 #E78 ##77JI Vereort	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (3) (75) (0) (223) (153) (53)	53 43 46 55 52 45 53 50 49 47 48 41 34 17	WESTJL WESLFH Manitoba SWE4VV Sastatchewa WESAGN British Col SWETNIT (aix WETEKS Africa SHITH Asia SJHIMKO JPIBJR JHIMUT JANCHJ JMSOXF JLINWI JG21GY JR2TRC JLIXUH	1,564 1,134 47,358 5,076 wabia 4 MA6VEF 114,956 2,683 340 20,586 5,841 5,390 2,664 720 632 390 390 8	343 54 363 64 878 41 14 173 59 77 43 15 12 15 13 2	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 24 (15) 16 (12) 12 (0) 13 (13) 10 (0) 2 (0) 1
MIZO MWZJ MZHG MMZU KEZYF KBZHIV KISFJ/Z MKZH MWZU MZXJX KZAU WZYSS MDZAJS (I MOTTH Cart K61H/4 MSHA/H4 AA4HC KS4S MOTTH Dab MBDO Ohio MBLXS KBHMG KBHR WBFEC	65,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 R/T) 264 clima 10,260 5,440 1,920 918 cta 11,836 43,300 17,448 16,469 11,316	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22 22 106 42 115 116 116 116 116 116 116 116 116 116	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17 (57) 44 (170) 50 (35) 44 (73) 43 (92) 41	South Dai ***EDOEE KOERM KOWIU Tennesse: ***K4LTA Texas MSUDA MSPMG MSCOP MASITY MBONSA/! MMAKKN/! AASLF MSMYL MARTWK/! AASUO Utah **K6XO/7 WC78 WB7TJI Verbort MJSOH	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714 73,304 65,175 14,233	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (3) (75) (0) (223) (153) (53)	53 43 46 55 52 45 53 50 49 47 48 41 34 17	VESTUL VESUFH Manitoba SVE4VV Sastatchewa VESAGN British Col SVETNIT (ai VETEXS Africa SMITH Asia SJHIMKO JPIBJR JMIUUT JAMLDH JAGCHJ JRSOXF JLIMWI JG216Y JR21RC	1,564 1,134 47,358 5,076 unbia a MA6VEF 1114,956 2,683 340 20,586 5,841 5,390 2,664 720 632 390 390	343 54 363 64 878 41 14 173 59 77 43 15 12 15 12 2	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 24 (15) 16 (12) 12 (0) 13 (13) 10 (0) 2
HJ20 NW2J HZHG WM2U KE2VF KB2HWV KISFJ/2 HKZH HWZU HZXJX E2AU WZWSS HD2AJS (II MOTTH Cart K61H/4 HBHA/H4 AA4HC KS4S NOTTH Dake WBOO Ohio HBLXS ESHMG KSHR	45,296 57,790 32,188 31,875 7,200 2,700 2,448 2,016 1,520 1,440 1,200 1,170 360 M/T) 264 0liss 10,260 5,440 1,920 918 0ts 11,836 43,300 17,468 16,469	481 418 250 250 100 50 102 42 34 23 30 27 12 12 114 58 39 22 22 106 42 116 116 116 116 116 116 116 116 116 11	(214) 55 (119) 52 (125) 51 (0) 36 (0) 27 (0) 24 (0) 24 (8) 20 (14) 24 (0) 20 (24) 15 (12) 10 (0) 11 (0) 45 (54) 32 (2) 24 (10) 17 (57) 44	South Dai #KDOEE KOERM KOWIU Tennesse: #K4LTA Texas #SUDA #SPWG #SCOP #ASITX #BONSA/! WMAKKM/! AASUF #KAUDA Utah #K6XO/7 #E78 ##77JI Vereort	43,248 27,821 20,240 83,985 40,560 36,855 35,722 21,100 5 18,032 5 17,901 14,064 9,553 7,650 714 73,304 65,175 14,233	351 234 183 647 260 273 291 211 184 163 124 115 75 21	(114) (179) (74) (233) (260) (273) (92) (0) (55) (25) (3) (75) (6) (223) (153) (53)	53 43 46 55 52 45 53 50 49 47 48 41 34 17	WESTJL WESLFH Manitoba SWE4VV Sastatchewa WESAGN British Col SWETNIT (aix WETEKS Africa SHITH Asia SJHIMKO JPIBJR JHIMUT JANCHJ JMSOXF JLINWI JG21GY JR2TRC JLIXUH	1,564 1,134 47,358 5,076 wabia 4 MA6VEF 114,956 2,683 340 20,586 5,841 5,390 2,664 720 632 390 390 8	343 54 363 64 878 41 14 173 59 77 43 15 12 15 13 2	(0) 23 (0) 21 (153) 54 (13) 36 (13) 36 (226) 58 (41) 21 (6) 10 (92) 47 (59) 33 (0) 24 (15) 16 (12) 12 (0) 13 (13) 10 (0) 2 (0) 1

1737735 757	M6TR, OP) 57,772 Y2BKW, OP) 46,020 TR1751, OP) 28,200 24,451 20,900 20,090	361	(53) 44	SROCCH YJJYL SRSDOC IX46KH LY28Z PAJERK ON8UK TU7KH LY18YL	4,602 3,807 3,534 3,480 2,916 1,326 512 448 420	54 52 54 26 16 16	(45) 26 (47) 27 (0) 31 (40) 30 (0) 27 (26) 17 (0) 16 (0) 14 (9) 12	Chect tog KBAGN (+KIBW, MBJRN, KBBECG, WBIG. KBNJZ, KCBEK, KDOPF, KBBJRN) (N/M) Approx:893 GSOs by Bults. Computer crash.
EA4COT DL7CS G31ZJ	9,758 8,532 6,020 YZBRP, OP)	113 79 84	(12) 41 (79) 36	South Aser	270 102 9,652	93	(48) 38	
				M. America	8,510	115	(0) 37	

1991 ARRL CW Contest scored by CT (from K1EA) as if every report in the CW bands on our Cluster during the contest was logged and worked:

BAND	QSO	QSO PTS	COUNTRIES	"DUPS"	
160	16	48	12	2	
80	54	162	33	50	
40	139	417	65	127	
20	241	723	85	234	
15	191	573	92	200	
10	227	678	83	255	
======	======				==
Totals	868	2601	370	868	

735

Score (ARRL CW 1991) (2601 * 370) = 962,370

NOTE: In this case, dups are NOT bad!

Number of DX spots called in for each call sign. (DXC by N4TL) 83 calls counted from 16-Feb-1991 to 17-Feb-1991 (ARRL CW Contest)

DIG	GUNS	Cond Chair						
DIO	142	Good Show, 1	132	WEDAT	117	WEGO	113	NEIP
		HUUL	100	WOOH		,,,,,,	110	11017
SUPE	ER EF	FORT: (Thanks	from	everyone):				
	111	KEAYA	106	AAGYD	73	NERA	58	NEST
	44	WERHS	42	KD6AZ	38	NIGT	36	WABLLY
	36	WBAKS	33	WERDY	32	AAERE	31	KELTS
	27	NWEP	26	WZ6Z	26	AF6S	25	KAEING
THE	BIG	GUNS COULDN'T	HAVE	DONE IT WIT	HOUT:			
	25	NT7E	24	NEJV	24	KKØM	22	WIFEA
	21	KEPBT	21	WEISO	50	WWED	50	WAEALZ
	19	WEJD	19	NF6S	19	AABPV	15	KECXT
	14	NEULU	14	K4TKM	14	NAGB	13	VESSUN
	11	WSFAH	10	WASWYB	9	WATUTM	9	NELFX
	9	KNEJ	8	WASAUE	8	WETI/R	7	WEDSP
	7	KELLK	6	NC7K	6	WEDTC	6	NEAHA
	5	AIGL	5	WA6SDM	5	WETEX	5	WWEJ
	4	KI6YB	4	AA6Z	4	KJ6DL	4	AAEGH
	4	KJ6NZ	3	AAEKX	3	KEILM	3	WEKH
	3	AA6YD	3	KF6A	3	AA6BR	3	NSEA
	3	NØDJJ	2	KGEGF	2	WYBT	2	KDEPY
	2	NERD	2	KEKED	5,	NEBIS	1	WEHIB
	1	NEGR	1	KEKAP	1	NB6L	1	KIEEZ
	1	KEDYP	1	WB6AFJ	1	KJEPJ	1	KJ6GQ
	1	KKEH	1	WAGIZT	1	WEHBK	0	

There were 125 Countries called out and there were 1736 Callouts.

This report was prepared as a result of the positive comments received about this report as prepared for the 1990 CQWW contests.

A special thanks to those stations who entered their share of announcements into the cluster. If you participated in the contest and received a benefit from the cluster, your call should appear above as one of those who returned the benefit to the network. Turn about is fair play! (W6GO 2/18/91)

ARRL DX CW Claimed Scores:

Call Call	Qs	Ms	Score	Cates.
W1FEA(+K2BA)	2671	338	2707380	M/2
WZ6Z	(SOF	ry. 1	misplaced)	M/2
N6RO(+K3EST.		1000		
W6RGG, KI6EZ)	2075	329	2048025	M/S
NGTV	1848	306	1694464	
GOMFO(AA6MC, op.)	1886	232	1312656	
			815250	
			733950	
NC7K			696192	
AD6E			423192	
WN4KKN(at N6RZ)	1311	99	389367	15m
			281052	
N6TU			246525	
AA6QY				
W6FAH			188256	
	125			S/A
WA6SDM	68	44	8976	S/A
Other Scores:				
4U1ITU(N6TR, op.)	3600	2	2900000	5/0
N6AA(+N6ZZ, N6TJ)	1518	315	1434510	M/S
WEITE / KAGEAR			7424270	11/3

220 55

WZ6Z(+KØRF) 2122 335 2,256,735

970000 5/0

36300 80m

Miscellaneous Contest Claimed Scores:

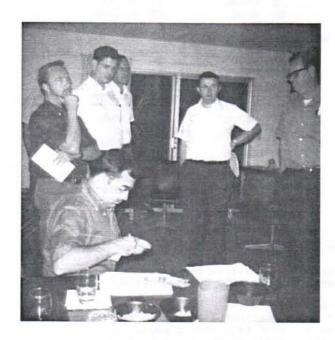
W6UE(KA6SAR, op.) ? ?

ARRL 160	N6RO	393	x. 75	5 =	62275	
CQ 160 SSB	WN4KKN/6	73	x 27	7 =	4347	
CO 160 CW	WN4KGOV/6					
2017-1 00 170001 0 0-2		223	x 45	=	25921	
NA QSO Party:						
CW	WN4KKN/6	214	x 92	=	19688	
SSB	WN4KKN/6	18	x 13	=	234	
NA Sprint SSB	WN4KKN/6	148	x 42	=	6216	

NCCC Bylaws Article III, Section 2:

"All new members must demonstrate an interest in contesting."

Looks like Trey takes these bylaws very seriously!



He Knows Your Name (4U1ITU)

How did the operator at 4U1ITU know your name? The operator was none other than Larry "Tree" Tyree, N6TR. Tree called me on the telephone from FRANCE a few days before the ARRL DX contest and had me read the entire NCCC roster to him. Then I went through the NCDXC roster. Tree entered all the calls and first names into his computer. He's got a program that automatically sends "GA BOB," "GM JACK" etc. depending on the station's call and time zone!

Next time Tree says hi, come back with "HI LARRY." That ought to throw his computer program into a loop.

Operator at 4U1ITU for the Phone weekend of the ARRL DX is scheduled to be new NCCCer Dick, AA6MC (aka GOMFO). KB OM!

North American Sprint CW Scores:

Call	Qs	Ms	Score
N6TV	310	42	13020
WN4KKN(at W6QHS)	323	40	12920
N6IG	303	40	12120
N7NG	290	39	11310
WOZZ	262	41	10742
N6RO	274	39	10686
WAGAUE	273	39	10647
AJ6V	228	39	8892
W6RGG	249	35	8715
N1EE/6	228	38	8664
W6XX	228	38	8664
W1FEA	227	?	?
N6TIB	226	36	8136
AD6E	208	39	8112
W60AT	140	35	4900

Mail Sprint logs to (new address): Trey Garlough, WN4JGCN 330 Walnut Ave. Santa Cruz, CA 95060-3643

FOUNDING
FATHERS
(From left)
WA6DKF (N6RO)
W6RGG (eating again)
W6CUF (W6CF)
K6EBB
K6CQF (K6PU)
K6AUC

CONTEST CONTEST CONTEST CONTEST CONTEST CONTEST CONTEST EVERYONE A WINNER!

How the Jug Got Its Name

+===+

Jim Maxwell, W6CF (First editor of the Jug)

How did the Jug get its name? People keep asking Herr Professor Prez, W6ISQ, where the name came from. Herr Professor Prez, W6ISQ, having just graduated from the International Correspondence School Academy of Management, knows how to answer such questions effortlessly and quickly - pass the buck to someone else. So here I am, pounding on a keybored when I'd rather be de-lousing a shipment of old DX bulletins which just arrived.

Sure, I know how the Jug got its name - there are other NCCC members who also know the story. Sure, I can sit down and peck out the facts - one, two, three, bang, bang, bang. End of story. But is there any fun in that?

This is a contest club. Let's have a contest! Write and tell me something about the Jug! Where did its name come from? If you don't know where its name came from, make up a good story! Why is the Jug a good name for the NCCC monthly technical journal? Why is it a lousy name? What are your favorite Jug slogans?

Just so you know this is serious, EVERY NCCC MEMBER WHO SUBMITS AN ENTRY WILL RECEIVE A PRIZE! EVERYONE A WINNER! The prizes will be handsome Jug badges you, your children, and your children's children will treasure forever and ever.

Send your entries to Jim Maxwell, W6CF, P.O. Box 473, Redwood Estates, CA 95044. Packet is OK too. A later Jug article will summarize the results of the contest - and who knows - maybe the REAL story will be included in that article. Please get your entries in no later than March 20!

Remember, EVERYONE A WINNER.

CONTEST CONTEST CONTEST CONTEST CONTEST CONTEST

DIRECTIONS To: Pleasanton Hotel 855 Main Street Pleasanton



FROM:

HAYWARD:

80 to 680 South

HAYWARD:

580 East to Santa Rita Rd.

680 to Bernal Bernal East to Main St. Right on Santa Rita Rd. Santa Rita turns into Main St.

Left Main St. 855 Main St.

SAN JOSE:

680 North

855 Main St.

MONTERAY:

101 North to 680 North 680 to Bernal

Bernal Exit go East Left on Main St. 855 Main St.

(Also spelled Monterey...

Bernal East to Main St. Left on Main St.

....editor) Eelt on Main St.



MID-WEST/COLORADO SOUTHEAST WEST

MID-ATLANTIC NEW ENGLAND 1-800-854-6046 1-800-444-9476 1-800-444-7927 1-800-444-4799 1-800-444-0047

STORE WALK-IN HOURS: 10 AM - 5:30 PM - CLOSED SUNDAYS

AZ, CA, CO.GA, VA residents, add sa es can assist you, if the PHONE HOURS:

NCCC 44 Toyon Terrace Danville, CA 94526

FIRST CLASS





W60AT RUSTY EPPS 651 HANDLEY TRAIL 94062 REDWOOD CITY, CA