

THE NUGGET



Mother Lode DX/Contest Club

The Newsletter of the Mother Lode DX/Contest Club

December 2020

Volume 25 Number 12

From the President – NC6R

Happy Holidays MLDXCC!

As 2020 comes to a close, it looks like yet another Sweepstakes victory for the “Little Club That Could”. What awesome participation by both the CW & SSB ops....great job!

For this month’s letter I thought I’d take you on a look back over the past year –

January saw the installation of officers voted in during our 2019 November meeting. Also Doug WE6Z stepped up to be our newsletter editor. Thank you for doing a great job this past year.

In February MLDXCC voted to contribute \$500 toward the VP8PJ South Orkney DX effort. MLDXCC member W1SRD was part of the team headed to South Orkney which at that time was #16 on the most wanted list.

At the March meeting Dave, K6TQ gave a talk on his tower installation and the help he obtained from MLDXCC member Jim K6OK, who as an engineer, helped Dave, navigate the permitting pitfalls. Rich WC6H, our awards chairman,

presented some very nice plaques and certificates to our members.

April brought the cancellation of the Visalia DX Convention, shelter in place orders, toilet paper shortages and the loss of employment for some members.

May - shelter in place is still with us. However thanks to MLDXCC VP W1RH, we’re now able to participate in online Zoom meetings. Also a Contest University online presentation was made available thanks to Bob, N6TV.

June brought another great online Zoom presentation. Beautiful, glossy QSL card from VP8PJ are now showing up in mail boxes.

July.....What happened to “2 weeks to flatten the curve”? Thanks to COVID many ARRL Field Day operations took on a much different look this year. I was able to get my final state confirmed on LOTW for 9 Band WAS.

Aug brought the NAQP contest, improving 20 meter conditions into Europe and the announcement of “Sequoia Stations” for the Cal QSO party. Have you been you able to

participate in the Zoom meetings? Credit goes to W1RH for his continued Zoom effort in bringing quality presenters.

Sept... intense smoke throughout the area due to all the fires raging in Northern California. MLDXCC received the SS gavel from ARRL for our win in 2018. Reports of improving band conditions continue to give a hopeful outlook.

Oct... published reports of the solar cycle still on the upswing which is good news for DX operators. Several of our members also participated in the Makrothen RTTY contest. Saturday and Sunday produced good runs into Northern Europe on 20 meters.

Nov – Because our bylaws state elections to be held in November, the first in person meeting since March was held. Although lightly attended, there was much camaraderie present in the room. Everyone commented just how much they had missed getting together. The slate of officers presented during the October meeting was approved unanimously. We voted in our most recent member Jojo Melendres KN6HTD.

During the November meeting I presented my thoughts on the use of “Ham Speak” phrases. It is my intent is to develop a list of these phrases that will then be posted on our website for all to use. At the first ever MLDXCC meeting I attended, the group was talking about CQP.

From the V.P. - W1RH

From the VP

I must admit that I just did not have warm and fuzzy feelings about our chances as we were about to go

What the heck is CQP? It took me a couple of meetings to understand that they were referring the California QSO Party. Another mystery voiced by a newer club member was “what is 3830”? And yet another was “what does split mean”?

I would ask for your help by submitting phrases that you think might be helpful newer members. Please keep try and keep them from becoming too technical, which will become another document later. Email your suggestions to me at nc6r4dx@gmail.com. I will be working together with Rich WC6H to compile the document.

I wish each one of you a very happy and healthy new year in 2021.

As always, here are websites to view upcoming contest and DX announcements -

Contest calendar dates are listed at - <https://www.contestcalendar.com/index.html>

DX operation announcements can be found at - <https://www.ng3k.com/misc/adxo.html>

73 & good DX,

Steve / NC6R

MLDXCC President

into the 2020 ARRL Sweepstakes. I still felt that way as we ended the CW portion of the contest. That all ended, however, when I began tallying our CW raw scores and came to the realization that we had just

made our highest CW numbers ever and may have just won the CW part of the competition for the first time.

In the past, the Arizona Outlaws and the Southern California Contest have soundly beaten us in SS CW. Nevertheless, we have always made up for that in the phone portion of the contest, resulting in winning five gavels in a row in the Medium Club competition.

So, where do we stand right now? Well, I do believe that we have scored our highest combined CW/Phone numbers ever and it is really looking

promising that we may be up for our sixth win in a row in the Medium Club Category.

I generally track all of the scores, including our competition with a huge spreadsheet. I did this for CW, and was beginning the spreadsheet for Phone when Stu, K6TU, sent me his automated tabulations, which took into account (what I always do, albeit manually) claimed raw scores, the club eligibility lists, and the number of logs submitted (Thanks Stu!). So, here's where we appear to stand against the competition and, obviously, prior to log checking:

CLUB	LOGS	TOTAL
MOTHER LODE DX/CONTEST CLUB	50	5,392,488
SOUTHERN CALIFORNIA CONTEST CLUB	50	3,930,220
ARIZONA OUTLAWS CONTEST CLUB	47	3,585,210
GRAND MESA CONTESTERS OF COLORADO	34	2,805,674
TENNESSEE CONTEST GROUP	41	2,578,318
WILLAMETTE VALLEY DX CLUB	36	2,526,468
WESTERN WASHINGTON DX CLUB	32	2,142,444
DFW CONTEST GROUP	29	2,073,018
SOUTH EAST CONTEST CLUB	29	1,947,364
MAD RIVER RADIO CLUB	32	1,751,804
CENTRAL TEXAS DX AND CONTEST CLUB	23	1,648,114
ALABAMA CONTEST GROUP	18	1,313,046
BIG SKY CONTESTERS	14	1,310,814
KENTUCKY CONTEST GROUP	23	1,239,142

REDWOOD EMPIRE DX ASSN	11	1,208,936
NORTH COAST CONTESTERS	15	1,153,248
KANSAS CITY CONTEST CLUB	12	932,686
GREAT PLACES CONTEST CLUB	11	872,910
HUDSON VALLEY CONTESTERS AND DXERS	18	805,146
ORCA DX AND CONTEST CLUB	17	778,180
SWAMP FOX CONTEST GROUP	14	756,564
CTRI CONTEST GROUP	17	629,394
NORTHEAST MARYLAND AMATEUR RADIO CONTEST SOCIETY	22	536,286
TEXAS DX SOCIETY	13	410,320
NIAGARA FRONTIER RADIOSPORT	12	332,674
CAROLINA DX ASSOCIATION	11	125,226

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If these numbers hold, we not only have a solid win, but our total will be our highest ever.

In my opinion, the fun of competing in the Medium Club Category is that we actually have competition and we actually get to "sweat" prior to seeing the

raw scores! If we had the number of active members to compete in the Unlimited Club Category, the adrenalin rush just doesn't exist when you know that PVRC just crushes the competition year after year, as you can see below (thanks, again, K6TU):

+-----+-----+-----+

CLUB	LOGS	TOTAL
POTOMAC VALLEY RADIO CLUB	284	18,663,022
SOCIETY OF MIDWEST CONTESTERS	177	9,984,078
FRANKFORD RADIO CLUB	111	7,274,138
YANKEE CLIPPER CONTEST CLUB	110	6,934,800
MINNESOTA WIRELESS ASSN	140	6,262,780
FLORIDA CONTEST GROUP	69	4,015,862

| CONTEST CLUB ONTARIO | 57 | 3,489,062 |

| NORTHERN CALIFORNIA CONTEST CLUB | 65 | 3,321,696 |

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The Small Club Category shows a nice win for the PL259 gang:

+-----+-----+

| CLUB | LOGS | TOTAL |

+-----+-----+

| PIZZA LOVERS 259 | 10 | 1,619,152 |

| NEW MEXICO BIG RIVER CONTESTERS | 8 | 1,147,056 |

| GEORGIA CONTEST GROUP | 9 | 934,716 |

| IOWA DX AND CONTEST CLUB | 6 | 922,728 |

| RADIOSPORT MANITOBA | 7 | 886,114 |

| NORTH TEXAS CONTEST CLUB | 7 | 801,916 |

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I'll note that using multi-op stations is a great strategy for the Small Club and even the Medium Club categories. PL-259 always makes good use of their multi-ops.

I know what some of you are thinking at this point, so I'll do the math for you. If you added the scores from MLDXCC, PL-259 and REDXA, the total would be 10,333,336 Points from 126 logs. Even if you threw in another 2,000,000 points resulting from a major "get-on-the-air" effort, that still puts NCCC in a distant and crushing second place against PVRC.

NCCC, however, can win big in the WPX contests and the RTTY Roundup, which is where I expect our members to be in the first weekend of January. The RTTY RU is a really fun contest, now with a strong FT8/FT4 component, where we can contribute big scores to NCCC's effort to win another gavel. Let's

get on the air, keep our butts in the chairs, and help NCCC win this one again. This is also a way to thank those loyal NCCC members for supporting MLDXCC in Sweepstakes. We couldn't do it without a team effort. It works both ways.

So, how about the ARRL 10 meter contest? Here's how the claimed scores look for the 20 logs that were submitted on behalf of MLDXCC:

AF6SA	53,064
K6DGW	91,728
K6IJ	171,252
K6LRN	15,872
K6MM	5,888
K6MR	
K6TQ	4,814
K9JM	
KE6GLA	25,852

N6JV	87,152
N6XI	2,100
N6ZFO	292,600
NC6R	19,188
W1RH	83,916
W1SRD	99,484
W6BRY	46,800
W6EU	73,564
W6RC	3,636
W6RKC	7,560
WE6Z	36,208

I'm missing the scores from Jim and Ken, but the total without their numbers is:

1,120,678 (20 logs)

Just look at those scores from Bill, N6ZFO, and Fred, K6IJ!

In 2019, we finished in 21st place, with 12 logs and a score of 41,110.

We really did not encourage our members to get on the air for this one. The club that has won the Medium Club Category in recent years has been the Florida Contest Group. Here's their final total after log checking:

2018 - 2,932,806 (37 logs)

2019 - 1,055,452 (43 logs)

FCG, in 2020, submitted 71 logs, so they will be in the Unlimited Category this year.

Take a look at FCG's 2019 score. Makes you think we could clean someone's clock with a coordinated and motivated effort, doesn't it?

Alas, the best I think we can do this year is top-5 in the ARRL 10 meter contest. NCCC with 47 logs submitted, will also end up in the Medium Club Category and their score will be around 3 million, which could give NCCC a nice Medium Category win.

With that said, look at the first-place score in the Unlimited Club Category in 2019:

PVRC - 1,145,374 (91 Logs)

So, as a loyal member of both NCCC and MLDXCC, if I were the Contest Chair for NCCC I'd push the club to compete in the 10 meter contest next year. It would appear that the field is wide open and an organized effort by NCCC (or even MLDXCC if NCCC doesn't want to go for it) could result in an Unlimited Category gavel. SCCC, with 47 logs submitted this year, could also be a significant competitor.

The bottom line, however, is just how much the sun will help either us or NCCC next year, remembering that if it helps us, it also helps FCG, SCCC, and every other club competing. It's a good competition, with scores that can be close, and that is what drives me in a club competition.

We're also a DX club, so I want to remind everyone to submit to submit their logs for the CQ DX Marathon. Here's the 2019 Top 10:

Club Score CDR Group - 10597

Araucaria DX Group - 5821

Northern Illinois DX Association - 5788

Rhein Ruhr DX Association - 3379

Carolina DX Association - 3364

Mother Lode DX/Contest Club - 3187

Rio DX Group - 2922

Willamette Valley DX Club - 2669

East Tennessee DX Association - 2532

Salt City DX Association - 1467

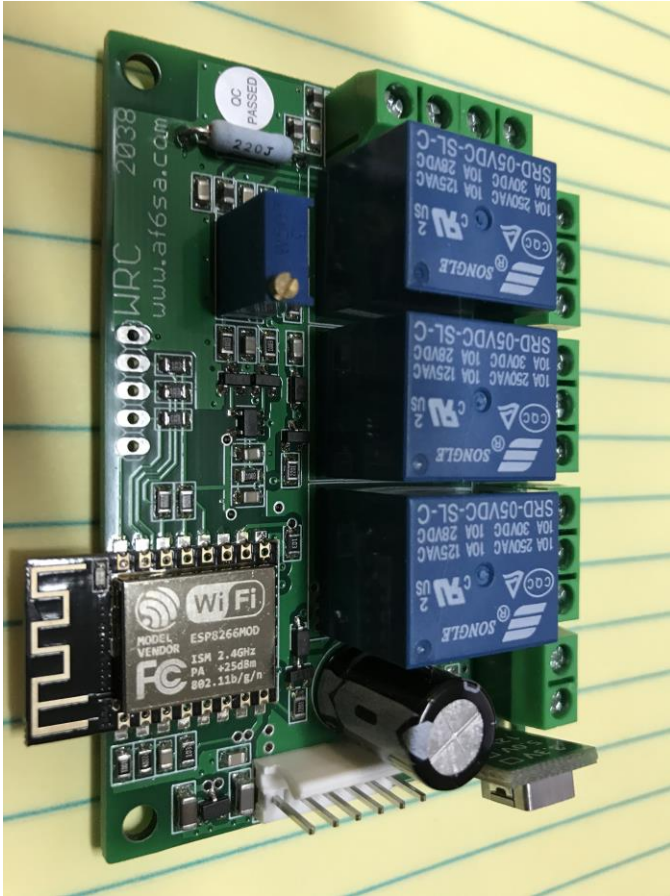
Come on, guys and gals, we can do better than 6th place in this competition! If just one or two more had submitted their logs, we may have jumped up a

few notches. As soon as you're done reading this, go here:

<https://www.dxmarathon.com/>

...and get ready to submit your log.

On a totally different subject, I stopped by AF6SA's place the other day and picked up one of these:



It's a WIFI universal rotator controller and it's really slick. I am going to install three of these in my Yaesu rotor controllers. The WIFI interface gives you no wires between the controller and your shack computer and it also gives you a really clean way of remoting your rotators. Stefan is selling these for \$100 each. They're really well built, with excellent documentation. Just go to Stefan's store and support the technology offered to us by one of our own members.

<http://www.af6sa.com/projects/Kits.html>

Bob W1RH

Next Meeting

Date: January TBD

Time: TBD

Location: TBD

Presentation: TBD

MLDXCC Treasurer - K6SZQ

MLDXCC Treasurer's Report - November 2020

10/31/2020	Opening Balance	\$2,049.41
	Income	\$0.00
	none	
	Expenses	\$0.00
	none	
11/30/2020	Ending Balance	\$2,049.41

COH	\$100.00
Paypal	\$734.76
Checking	\$1,214.65
	\$2,049.41

From the Secretary - KI6YYT

MLDXCC Meeting Notes

No December meeting.

Next Meeting:

January - date and location to be announced.

Emilia Seiferling, KI6YTT

CLUB Dues

2020 dues are due!

The Dues period runs from Jan 1 to Dec 31. Dues are \$20.00 individual, \$30.00 family

PayPal – Send to: MotherLodeClub@gmail.com. Use the Friends and Family option.

Cash or Check - Given to a club officer at a meeting. Or mail to the Treasurer - Sue Allred K6SZQ, 17610 Red Mule Rd. Fiddletown, CA 95629

Club Log Standings

Overall

1	N6JV	Norm Wilson	195
2	K6YK	John Lee	180
3	WU6W	Rick Palio	167

CW

1	K6YK	John Lee	170
2	N6JV	Norm Wilson	154
3	N6WM	Chris Tate	135

Phone

1	NC6R	Steve Allred	131
2	K6YK	John Lee	107
3	WC6H	Rich Cutler	92

Data

1	K7QDX	Michael Steiner	163
2	N6JV	Norm Wilson	156
3	K6OK	Jim Varney	138

Club Log Standings are based on worked entities during the calendar year.

In the news

Before the National Science Foundation had a chance to decommission the dish, it suffered a catastrophic failure. Support cables for the suspended instrument platform snapped causing it to crash into the dish destroying it. Its 57 year run has come to an end.



From the ARRL Letter:



December 17, 2020

Contest University to Host Propagation Summit

Several radio propagation experts will share their knowledge during a Propagation Summit via Zoom, sponsored by Contest University (CTU). The event is scheduled for January 23, 2021. The presentation schedule includes: "Update on the Personal Space Weather Station Project and HamSCI Activities for 2021" with Nathaniel Frissell, W2NAF, at 11 AM EST

(1600 UTC); "Solar Cycle 25 Predictions and Progress" with Carl Luetzelschwab, K9LA, at noon (1700 UTC); "Maximizing Performance of HF Antennas with Irregular Terrain" with Jim Breakall, WA3FET, at 1 PM EST (1800 UTC), and "HF Ionospheric Propagation" with Frank Donovan, W3LPL, at 2 PM EST (1900 UTC). [Registration](#) is free. An Icom IC-705 will be raffled off as a door prize. The winner must be present on Zoom to win. -- Thanks to CTU Chair Tim Duffy, K3LR

Member Reports

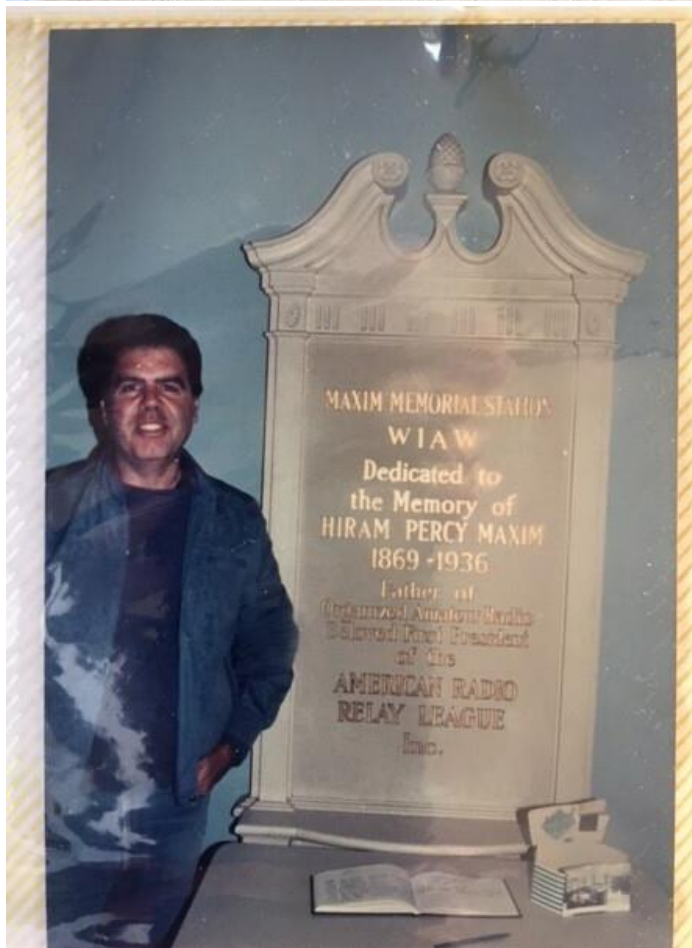
Karen was looking thru some old photos from the 1980's and happened upon our visit to HQ in the late summer of 1986.

I was taking a 2 week class at DEC in Maynard, Mass (on PDP-11 series architecture and programming) which was not far Newington.

Taking photos of photos ain't the greatest way to go, so I apologize for that.

The small guy in the first photo is me at the old HQ building; the last photo is me finding my 6M WB6OKK QSL in the basement of the original HQ building where ALL W1AW QSL's were stored at that time. I don't think I have changed a bit in the last 34 years, do you? Hi Hi.

de Rick, W6SR





that just might fit the bill. A week later he showed up and gave me this beautiful Philco 41-608 radio. While it looked to be mostly there, someone had removed things. The field coil speaker, record player, and wires were missing. There are 12 wires coming out of the back of the radio and they had all been cut off. Making things worse, the cloth covering on the wires had faded to a muted yellow/gray color, and it was nearly impossible to tell what colors the wires originally were. I had to trace each wire and then coordinate it with the schematic.

I did some research and found that the field coil in the speaker served as a power supply choke, so I had to either find a field coil speaker or replace it with a modern speaker and add a power supply choke. Looking through my collection I found a suitable power supply choke and installed it. I replaced all of the wax paper capacitors with modern capacitors. The filter capacitors were also replaced.

I checked all of the tubes and found two bad ones. One had an open filament, and the other had low emission. Between my friend and I's tube collection, we found replacement tubes.

I brought it up slowly on the variac. All of the tube filaments glowed and the pilot lights came on. I temporarily wired up a small 4 inch speaker with alligator clips, but there was no sound at all. After several hours of troubleshooting, signal tracing, verifying that the speaker and its wires were good, and going over the schematic I found the problem. Since I wasn't using the field coil setup, I had to connect the speakers to two different terminals inside the radio. After that I had excellent sound.

Doug's Philco Project



A while back, a friend gave me a Stromberg-Carlson record player. It had come from a console type radio. I mentioned to him that I didn't have a console to mount it in, and he recalled that he had an old floor console radio

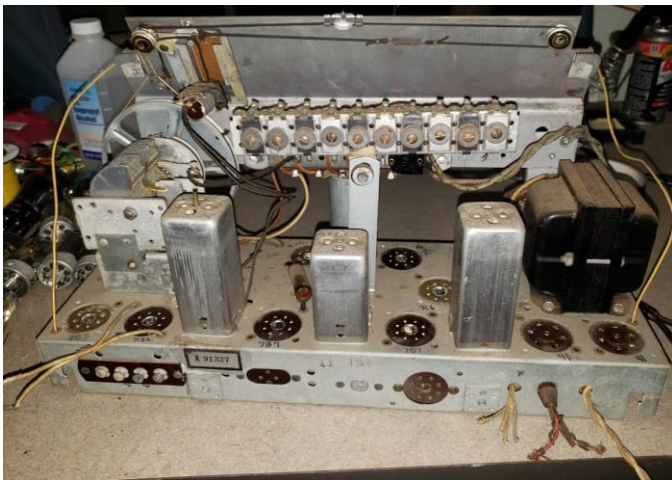
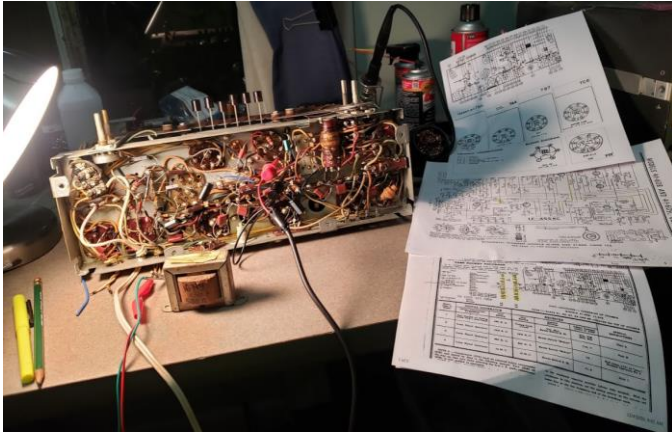
I traded some things for a vintage 12 inch Jensen concert series speaker

I then hooked up the Stromberg-Carlson record player. Wow, I am amazed at the sound quality of this set. The two 41 tubes in push-pull give such a warm and pleasant sound. Coupled with the Jensen speaker in the wooden cabinet, it is awesome.

The final steps I have to do are and alignment of the radio portion and dial, and making an adapter plate to mount the record player.

This has been a fun and rewarding project, and will become a cool piece of furniture in my house.





power is low and the stability of the oscillator isn't very good. An additional small board needs to be purchased that locks the main transverter oscillator to the transverter's oscillator. The K3 puts out about 9 watts on 2-meters and runs a bit hot. I backed off on the output to 5 watts to run cool.

Now I needed something to take the 5 watts and amplify it to about 60 watts to drive the final amplifier. W6PQL offers a solid-state amplifier that will take between 50 milliwatts and 10 watts drive and has an output of up to 90 watts. This amplifier incorporates a Toshiba S-AV36 module that runs class A at all times. This is a lot of heat being generated, so the module needs a large heat sink. To limit the heat and current draw when not transmitting, I also purchased a solid-state FET switch from W6PQL. It is operated by a PTT line and that keys the amplifier. It was mounted on the heat sink next to the amplifier and S-AV36.

Doug WE6Z

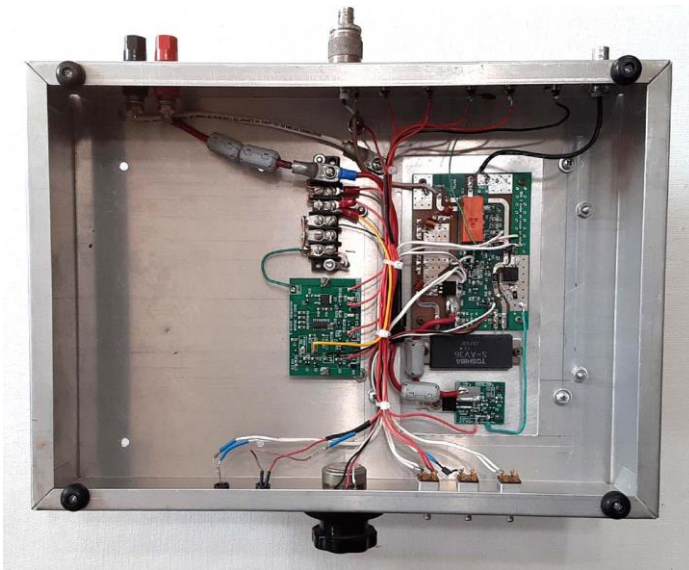
Norm's 2-METER EME STATION FINAL INTEGRATION

With the antenna and 1500-watt amplifier completed, now the transceiver needs to be mated up to get everything working. I have a K3 transceiver, so I needed a transverter for 2 meters. The Elecraft transverter has a very low noise figure that is very good for EME, but the



I needed to combine this assembly with power wiring and control circuits, so I cut a rectangular hole in a chassis and secured the heat sink over the hole. I also purchased from W6PQL, a 4-

event sequencer to stage the activation of the equipment. Hot switching isn't good for solid state gear. Power connectors, coax connectors and RCA plugs were added to the back of the chassis and a power control knob, toggle switches and LED lights were placed on the front.



A computer type fan was mounted over the heat sink. It's positive 12 VDC power wire needed to be routed through a feed through capacitor and some ferrite beads to keep the RF from stopping the fan during transmission. The extra holes beside the heat sink are to mount an RF Concepts 175-watt amplifier that could be used for portable VHF operations. It requires 45 watts of drive for full output. For driving the GS35b amplifier, only about 50 watts is necessary.



When the input PTT line is activated, the sequencer switches a ground to up to four devices. My antenna is close to the shack, so no external low noise amplifier is needed. If it was to be used, the first device from the sequencer would be the LNA bypass relay. The second device is the final amplifier's VOX relay which also activates the input and output coax relays. The third device is the driver amplifier and the FET power switch. The last is the transceiver assuming you are using a computer to activate the PTT line. My K3 has a delay programmed so it won't send power until after the other devices are switched.

The first chance to put the system on the air was the ARRL EME contest. Conditions were not optimum with a degradation of 5. I2FAK had asked about a sked when he learned that I would be on. We connected on the EME reflector and agreed on a frequency. I got everything warmed up and started transmitting. On receive, I saw a strong signal coming back and it was I2FAK sending me the "OOO" signal indicating he had decoded me correctly. He later said my signal was -19 which is very strong.

Over the next 10 days, I additionally worked DK3WG, DL7APV, EA4CTQ, HB9Q, I3MEK, IK4WLV, IW4ARD, OE3NFC, OH4LA, OH7XM, PA5Y, PA9RX, R3PA, RK3FG, RX1AS S52LM, SM3BYC, SM5DIC, UA3PTW and UT9UR. It all works together without any problems and I only need 88 more countries for 2-meter DXCC.

ARRL Contesting Certificates

If you have participated in ARRL Contests by submitting your log, enter your call sign and see your available certificates. You can view and

Awards Checkers ARRL

Ken Anderson, K6TA

(DXCC, WAS, VUCC, 160M)

Rick Samoian, W6SR

Tube of the Month

The 4-250A

My first exposure to modern transmitting tubes was from the 1959 A.R.R.L. Handbook. I was studying for my ham ticket, so my father picked up a copy while in the big city of Fresno. I loved looking at all the advertising especially the tubes. The tube that I thought was particularly beautiful was the 4-250A tetrode featured in the EIMAC ad. It would be several years before I actually owned one of these tubes. EIMAC was developing tetrode tubes starting in 1944. The experimental 4-250A tubes were made from

N6JV

download them. The certificates show where you placed in the contest.

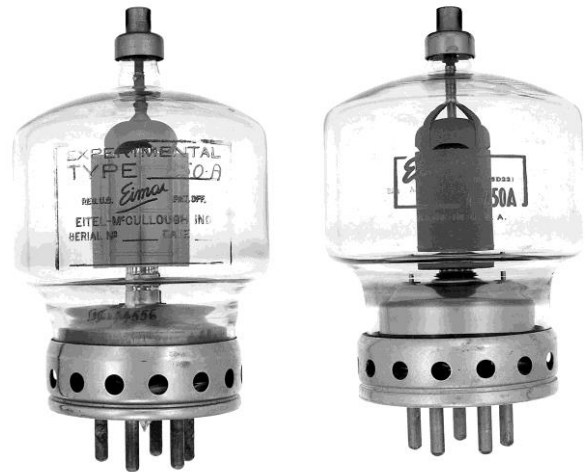
<http://contests.arrl.org/certificates.php>

available parts. The plate was from a 250TH and the envelope was from a 304TL. Research took place for over a year and the new tube was ready as WWII ended. The 4-250A would operate up to 110 MHz at a kilowatt input although later tubes were rated at 1000 watts output. The new tubes were popular with the new FM broadcast stations.

I had picked up several 4-250A tubes when they were common at swap meets. I had been building amplifiers with the 4-400A tetrodes, but these were often expensive and the 250A would substitute with the same required power. Back in the 1970s, I would never miss the swap meet at Foothill College in Los Altos Hills, CA. There were lots of great tubes being offered. Once I found a seller with 4 chimneys that fit the

4-400A tubes. I always looked for these and he only wanted \$5 each for the 4 of them. He also had 4 of the 4-250A tubes on the table. He asked if I was interested in the tubes at \$15 each, but I told him that I had several tubes so I was only interested in the tubes if I could get them real cheap. He then asked me if I would take all the 250As he had at \$5 each. I should have been suspicious, but he called my bluff and I agreed to the sale. As I placed the tubes from the table into my box, he told me to wait. He crawled into his truck and emerged with a large box that was full of 4-250A tubes. It's good that I had a full tank of gas, because by the time I paid up for all those tubes, I didn't have enough money left to buy lunch. After over 40 years, I

have never run out of 4-250A tubes from that deal and still use them.



Visit the museum at N6JV.com

Norm N6JV

MLDXCC Focus Contests

The following lists all contests in which MLDXCC would appreciate your efforts.

ARRL SS CW/PH

ARRL DX Phone*

ARRL DX CW*

ARRL 10M*

ARRL 160M*

California QSO Party

*Proposed and approved at the November 12, 2016 MLDXCC general meeting.

Northern California Contest Club (NCCC) announced their focus contests at their August

2018 meeting. This list can be found in the Aug 2018 NCCC newsletter.

ARRL RTTY RU

CQ WPX RTTY

CQ WPX SSB

CQ WPX CW

MLDXCC - Outgoing ARRL Bureau

The Mother Lode DX/Contest Club will provide Outgoing QSL Bureau services to current paid club members. The policy is as follows:

The club will cover packaging, shipping, and the \$7.00 ARRL fee. Members will be responsible for

the \$1.15 per ounce fee, payable to the club. A scale will be provided at the designated meetings to weigh the cards.

Twice per year, at the March and October meetings, members may bring their outgoing cards (or have delivered by another club member) to the meeting for collection and collating.

All regulations set forth by the ARRL must be met, including:

Members must be ARRL members to use outgoing bureau.

Must provide proof of membership (QST mailing label, ARRL membership card)

Cards need to be sorted according to ARRL requirements when brought to club.

The after-meeting program at those meetings would be dedicated to weighing, merging the cards, and making sure the paperwork is in order.

For more information regarding the ARRL Outgoing Bureau, please visit

<http://www.arrl.org/outgoing-qsl-service>

QSL bureau rates have changed.

Outgoing QSL Service

QSL Service Fee Structure (effective May 15, 2019)

ARRL members — including foreign members, QSL Managers, or managers for DXpeditions — should enclose payment as follows:

Effective May 15, 2019, the rate structure is:

\$2 for 10 or fewer cards in one envelope.

\$3 for 11-20 cards in one envelope, or 75 cents per ounce, for packages with 21 or more cards.

[For example, a package containing 1.5 pounds of cards -- 24 ounces, or about 225 cards -- will cost \$18.]

Under the new fee structure, there are no transaction service fees.

You should use an accurate scale to weigh your cards. Most post offices have scales that you may use.

Please pay by check (or money order) and write your call sign on the check. Send cash at your own risk. DO NOT send postage stamps or IRCs. Please make checks payable to: "The ARRL Outgoing QSL Service."

Packages received with insufficient payment will not be processed until the balance is paid in full. The outgoing QSL bureau does not keep money on account.

The NOAA Solar Update

Click the link below to display the latest NOAA solar predictions.

<http://www.swpc.noaa.gov/products/weekly-highlights-and-27-day-forecast>

UPCOMING Events

For the latest contest info, click on the following link:

<http://www.contestcalendar.com/contestcal.html>

UPCOMING DX and DXpeditions

Click the link below to display upcoming DXpeditions.

<http://www.ng3k.com/Misc/adxo.html>

MLDXCC Reflector

The MLDXCC reflector is maintained at groups.io. Visit <https://groups.io/g/mldxcc>

We also maintain a spotting reflector at <https://groups.io/g/MLDXCC-Spots>

We are also on Facebook!

<https://www.facebook.com>

Classifieds

Members are requested to review their classified ads each month for accuracy and to resubmit their ads or confirm their desire to keep it running in the next issue.

New! "[The Serial Box](#)" (SBOX) by N6TV – Combination Serial Port Splitter, ACOM / Elecraft / SPE Amplifier Interface, FSK/CW/PTT keying interface, and Breakout Box

<https://www.eham.net/reviews/detail/13971>

Serial Box



Serial Box

"[The Y-BOX](#)" by N6TV – 4-way Elecraft K3/K3S ACC port splitter, Elecraft Amplifier Interface, and Breakout Box

<https://www.eham.net/reviews/detail/13296>



Y-Box

N6TV

For Sale:

Kenwood TS-430S Transceiver

160 through 10 meters including WARC bands

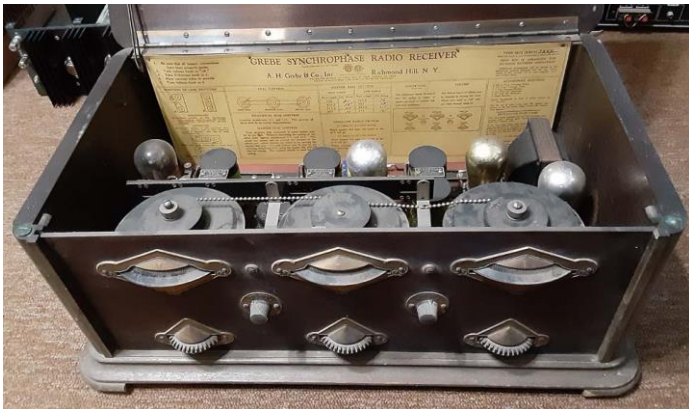
PS-30 power supply

Microphone

Good all band radio that would be a good mobile unit.

Asking \$350 for the package





1925 GREBE Synchronphase battery powered AM radio. Missing one tube but in excellent shape. Needs case re-finish. \$300
 These are estate items being handled by N6JV in Wilton.
N6JV@N6JV.com
 (916) 689-3534 (916) 330-7334 (CELL)

Area Clubs

Northern California Contest Club -
<https://www.nccc.cc>

Lodi Amateur Radio Club -
<http://www.lodiarc.org>

Stockton Delta Amateur Radio Club -
<http://www.w6sf.org>

Need QSL cards, business cards, club banners?
 Contact Vina K6VNA vina@sign-tek.com

2020 Meeting Dates

- January - 25
- Feb - none
- March - 14
- Apr - 18 Zoom
- May -9 Zoom
- June - 6 Zoom
- July - 25 Zoom
- August - 22 Zoom
- September - 19 Zoom
- October - 17 Zoom
- November - 14 Sutter Creek/Martel
- Dec - None

*Dates are arranged to accommodate major contest dates.
 Meeting dates are subject to change. MLDXCC
 traditionally holds a mid-year combined meeting with
 NCCC.*

Pizza Lovers 259 -

<https://www.pl259.org>

El Dorado Amateur Radio Club -
<http://edcarc.net>

Sierra Foothills Amateur Radio Club -
<http://www.w6ek.org>

Redwood Empire DX Association -
<http://www.redxa.com>

Calaveras Amateur Radio Society

<http://calaverasars.org/>

Please contact the editor to have your club listed here.

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The MLDXCC Newsletter

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