

THE NUGGET



Mother Lode DX/Contest Club

The Newsletter of the Mother Lode DX/Contest Club

December 2022

Volume 27 Number 12

From the President – NR6Q

Declined to comment

From the VP

Declined to comment

Next Meeting

Date: January – TBD

Time: TBD

Location: TBD

Presentation: TBD

MLDXCC Treasurer - K6SZQ

MLDXCC Treasurer's Report - October 2022 (revised)

9/30/2022	Opening Balance	\$2,917.32
	Income	\$0.00
	Expenses	\$0.00

10/31/2022 Ending Balance \$2,917.32

MLDXCC Treasurer's Report - November / December 2022

10/31/2022	Opening Balance	\$2,917.32
	Income	\$20.00
	2022 Dues - Paypal	\$20.00
	Expenses	\$60.00
	CQP Plaque Sponsorship	\$60.00
12/31/2022	Ending Balance	\$2,877.32

From the Secretary – W6BRY

No notes available

CLUB Dues

2022 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	243
2	NK7I	Rick Bates	239
3	W1SRD	Steve Dyer	238

CW

1	K6YK	John Lee	172
2	N6JV	Norm Wilson	143
3	K6OK	Jim Varney	128

Phone

1	NC6R	Steve Allred	138
2	W1SRD	Steve Dyer	136
3	K6YK	John Lee	130

Data

1	NK7I	Rick Bates	230
2	N6JV	Norm Wilson	219

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

Member Reports

N6JV lost power during the storm and flood for over 4 days. The 5 KW generator was started at 4 am and ran the house without problems. Not putting away the extension cords as another storm is on its way.

DX Marathon

Don't forget about the DX Marathon. Each year you can work all the countries again for credit towards this contest. Start gathering your logs together, and browse through the website to figure out how to submit your entry. If you have any questions, there are several people on the email newsgroup that can help you out.

CQ Magazine's Annual DX Marathon

Starting January 1 of each year, the DX Marathon is the perfect answer for the DX-er who needs that extra incentive to get on the air every day! Simply work as many countries and CQ Zones as you can in each calendar year, regardless of the band or mode. Each country and zone counts only once, so you can concentrate on working new ones rather than working the same ones on multiple bands and modes. Many awards are given for the top overall scores in four classes plus top scores in modes, bands, US call areas and more! Details of the extensive award list are available [here](https://www.dxmarathon.com/).

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

State & Province QSO Party Calendar

<https://qsoparty.eqth.net/index.html>

73,

Steve / NC6R

ARRL Contesting Certificates

If you have participated in ARRL Contests by submitting your log, enter your call sign and see

Tube of the Month

LS180

At the beginning of WWII, the British had deployed their early warning RADAR that would prove so useful in the "Battle of Britain". There were military officers that didn't think that the Germans had working RADAR. They became suspicious when one of their bomber squadrons was ambushed by German fighters while out at sea resulting in very heavy losses. The British scientists had information that indicated that the Germans had advanced RADAR and the allies had little knowledge about its capabilities. They needed to locate where the systems were. Intercepted messages referred to

your available certificates. You can view and download them. The certificates show where you placed in the contest.

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

Awards Checkers ARRL

Rick Samoian, W6SR

something called "Freya" and another named "Würzburg" that seem to indicate RADAR systems. A reconnaissance Spitfire got a photo of something suspicious on the French coast. It looked like a 10-foot diameter dish on a trailer. It was suspected this was a Würzburg unit. It was relatively close to England and the military wanted it. A beach landing would be very difficult to do and gave the RADAR crew a chance to escape. A small commando raid had a better chance of capturing the RADAR system so the Chiefs of Staff ordered Operation Biting to be planned. A company of the British 1st Airborne Division would parachute into France in late February, 1942. The target was near Bruneal, France and the common name for the operation became the Bruneal Raid. The raid was a big success with low casualties and the RADAR plus a German technician were bagged.

The results of the reverse engineering of the RADAR are available today. The amplifier tube was a Telefunken [LS180](#) in a simple oscillator circuit at around 500 MHz. The oscillator had a pulsed output of about 10 KW using a 12 KV supply. The filament

was 6.2 volts at 15 amps. Pairs of grid and plate pins minimize the lead inductance and maximize the upper frequency.

The aiming accuracy of the system was about 2 degrees in azimuth and 3 degrees in elevation. The Würzburg was designed to be short range and useful in directing anti-aircraft guns while the Freya was used for long range warning. All the German anti-aircraft systems were configured to display IFF (Identification Friend or Foe) signals from their own aircraft. At night, the RADAR directed night fighters to their bomber targets. The Würzburg was not particularly accurate and the British developed counter measures to fool it. One jamming system made a British bomber look like three. Later in the War, a Würzburg with a larger antenna was deployed to protect high value targets like the V2 rocket works at Peenemünde. Others were deployed to larger cities to direct flak. The American 8th Airforce could attest to its performance.

The tube in the photo was made in 1944 and indicates that a filament voltage of 6.2 volts was optimum for that tube. It also has Wehrmacht and Luftwaffe inspector marks. The illustration is of a Würzburg in operation.



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

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 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>

UPCOMING Events

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

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

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.

Swapmeets

The Northern California Swap

Thursday evenings at 8 PM local on the N6ICW repeater system 147.195 +123
Join Armand WB2ZEI and the group to buy, sell,

or trade amateur radio related gear. Check-ins and visitors welcome.

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

2022 Meeting Dates

January – none
Feb – none
March – 19th
Apr – 16th
May – 14th
June – 18th
July – 23rd
August – 27th
September – 17th
October – 22nd
November – 19th
Dec – TBD

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

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>

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/>

Tuolumne County Amateur Radio Electronics
Society (TCARES)
<https://tcares.net/>

Please contact the editor to have your club listed here.

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The MLDXCC Newsletter

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