

# THE NUGGET



Mother Lode DX/Contest Club

## The Newsletter of the Mother Lode DX/Contest Club

January 2023

Volume 28 Number 1

### From the President

President NR6Q and Vice President N6RNO have been organizing and reserving venues for the years MLDXCC meetings. Please pass along any suggestions. This months meeting will be on Saturday, January 21 at 11:30 in Martell, CA at Mountain Mikes Pizza.

Date	Location	Presenter	Title	Notes
Jan 21 2023	Martell Mountain Mikes Pizza			
Feb 25 2023	Shingle Springs Break Room	WC3W Mark Wohlschlegel	DX Marathon Program	Will have ZOOM meeting and onsite
March 18 2023	Loomis Pizza Factory			After <a href="#">Loomis Hamfest - Loomis Hamfest (weebly.com)</a>
April 15 2023				
May 13 2023				
June 17 2023				
July 22 2023				
August 26 2023				
September 16 2023				
October 21 2023				
November 11 2023				
December 2 2023				

## From the Treasurer

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

Mother Lode DX/Contest Club

General Meeting Minutes

December 17th, 2022

The Break Room, Shingle Springs, CA

Meeting was called to order at 12:26 p.m. by Greg Glen, NR6Q. 8 members were in attendance in person; 1 additional person by Zoom.

Greg welcomed everyone, and each person present introduced themselves.

October minutes were published in the October newsletter. Rick Eversole, N6RNO moved to accept the minutes as published. Rich Cutler, WC6H seconded the motion. It passed unanimously.

The October treasurer's report was published in the November newsletter. Steve Allred, NC6R moved to accept the report as published. Rick Eversole, N6RNO seconded the motion. It passed unanimously.

Sue Allred, K6SZQ stated that a combined November/December report will be published in the next newsletter. She also gave a summary of the results of sending dues reminder emails to the approximate 100 that have not paid this year - 5 individuals paid, and 3 paid ahead for 2023. She also found 16 bad email addresses, 1 Silent Key, 1 call sign change that had not been reported, 1 individual moved out of the area, 3 individuals stated that they no longer desired to be a member, and 1 stated that he was not a member. Sue has updated those changes to the roster, which will still need some additional clean-up work.

Old Business:

None

New Business:

We reviewed the nominations from the October meeting. We did not have a nomination for Secretary - after some discussion, Bob Hess W1RH offered to run for the position. Rich Cutler, WC6H moved to accept the slate of officers, Norm Wilson, N6JV seconded the motion, which passed unanimously. 2023 club officers elected were:

- President - Greg Glenn, NR6Q
- Vice President - Rick Eversole, N6RNO
- Secretary - Bob Hess, W1RH
- Treasurer - Sue Allred, K6SZQ
- Director - Steve Allred, NC6R
- Director - Steve Dyer - W1SRD
- Director - Rich Cutler, WC6H

It was brought up that we needed a motion to sponsor the 2022 CQP Plaque for US/VE/DX 1st Place S/O LP. The cost is \$60.00. Rick Eversole, N6RNO moved to continue sponsorship for the plaque; Bob Hess, W1RH seconded the motion, which passed unanimously.

Announcements / Discussion:

- Steve Allred, NC6R reminded everyone to wrap up their Marathon log for 2022 and remember to submit it after the new year.
- Rick Samoian, W6SR pointed out that we have been lax in getting out notifications for meetings and having engaging presentations, which has resulted in low meeting attendance. It was agreed

that Greg Glen, NR6Q, with the assistance of the Board will review the Master List of Contests and get out a calendar for 2023. Several ideas for presentations were suggested. It was also suggested that it would help if we knew (and announced) location and topic for the next meeting at the end of each meeting. VP Rick Eversole, N6RNO will work on that area.

- Bob Hess, W1RH stated that he had received a call from former member Rusty Epps, W6OAT. He is working on a promotional thing for the WRTC competition to be held in July. In January, they plan a special month long contest designed to work as many WRTC designation stations around the world. They are looking for clubs to go on the air with a designated station to promote. It was a general consensus that our members would be willing to cover some shifts. Bob will relay the information back to Rusty

Presentation:

Bob Hess, W1RH gave a recap of preliminary results for the November Sweepstakes. It is looking like MLDXCC will win the Medium Club Category for the 8th year in a row by quite a big margin. It is estimated that we got over 5 million points total. This year we had more CW logs than phone, and appear that we have beat out all the other clubs in CW for the first time.

Next Meeting:

January - date and location to be announced.

Rick Eversole, N6RNO made a motion to adjourn the meeting. Steve Allred, NC6R seconded the motion. Meeting was adjourned at 1:16 p.m.

Respectfully submitted,

Sue Allred, K6SZQ

for Secretary - Bryan Mathews, W6BRY

## Member Input

de **W6SR**

In 1974 the BIG 150' dish at Stanford Research (WA6LET) was put on 2M EME. I worked them using a single 16 element KLM 2M yagi manually pointed at the moon and an 8877 PA with 1KW output. Bruce Clark, KOYW was one of the operators, Vic Frank, WB6KAP was the other. A year later, Bruce and I worked together at Hughes Aircraft Company in So. Cal., we became friends, operated many contests together, chatted almost weekly via line-line and remained friends until his passing last month. I dug out my card to reflect on the day I worked my one and only 2M EME contact, and of course to remember Bruce, RIP OM, SK.....de Rick, W6SR



STANFORD RESEARCH INSTITUTE  
333 RAVENSWOOD AVENUE  
MENLO PARK, CALIF., USA, 94025

THIS CARD CONFIRMS A TWO-WAY  
EMC QSO ON 144 MHz CW  
BETWEEN WB6DKS/6 AND WA6LET  
AT 1559 Z ON 27 APR 1974  
RIG 8877  
ANTENNA 150' dish  
OPERATOR K6JYO-WB6KAP

MADE IN U.S.A. - PHILA., PA. 19140

de **N6JV**

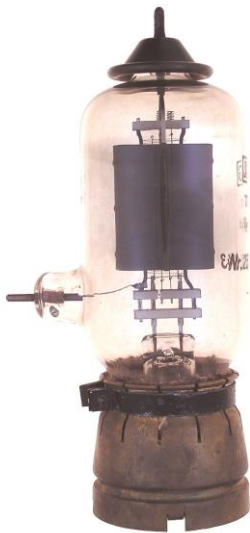
In the recent storms, most of Wilton lost power. The first storm it went dark for 4 days. My 5.5 KW generator was ready and after running many drop cords, I was able to get 2 refrigerators, a pellet stove, all the TVs, the ham station (no amps), hot plate, microwave, furnace, tower motor, garage opener and a bunch of lights operating. No 3-phase for the water pump so toilet flushing was done with rainwater and showers were sorely missed. After a few days the second storm hit us hard. No power for 4 more days and 3 more trees were blown over. Had to power up the chain saw to get out of the drive way. We were one of the last to get power as there was a small problem in the road near our house. Not completely trapped, but a 3-mile detour.



## Tube of the Month

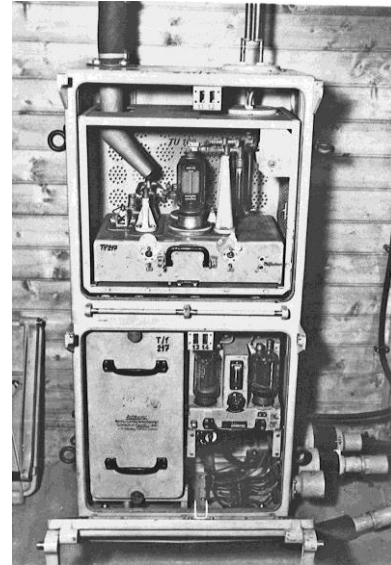
### TS41

When I started getting serious about collecting transmitting tubes, there was little information that was readily available especially on foreign and military types. The development of the Internet and the search engines inspired me to build the museum collection and finally allowed me to do research on tube identification and the applications where they were used. Recently, while researching German RADAR, I came across the schematic of the German Freya transmitter. It shows the use of the [TS41](#) triode in the power oscillator

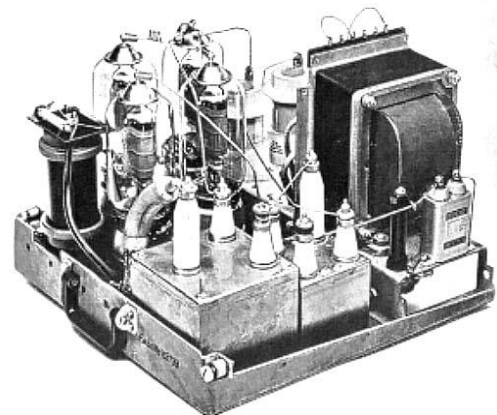


In 1934, what would be called RADAR and SONAR, were being researched by the German Navy. None of the large electronic equipment makers were interested in the project, so a new company was organized to develop the systems. The new company was called the Gesellschaft für Elektroakustische und Mechanische Apparate or GEMA. By the beginning of WWII, GEMA had produced a variety of equipment including the Freya RADAR. The pair of TS41s that was used in the output seem to be a type designed by GEMA. The example I have was made in 1943 by Allgemeine Elektrizitäts-Gesellschaft or AEG that was the German equivalent of General Electric. Several other manufacturers made the

TS41. The photo is of the power output stage of the Freya with the modulator on the bottom.



The TS41 is a 150-watt triode that operated up to at least 190 MHz. The pulsed anode voltage is 8kV at a current of 5 amps. The pair in the Freya had a pulsed output of about 20 kW. The filament ran at 10.5 volts at 11 amps. The base is a special unit with three banana plug sockets for filament and ground. The glass is attached to the base with a hose clamp that is cushioned by a strip of asbestos which is typical for German transmitting tubes. There is a corona shield built into the anode pin. The tube was capable of handling higher voltage and later Freya units had a better insulated amplifier deck to produce higher output. The TS41 was also used as a pulse modulator (Hochstast Gerät) as seen in the second photo.



## Awards Checkers ARRL

Rick Samoian, W6SR

(DXCC, WAS, VUCC, 160M)

## Club Log Standings 2023

### Overall

1	K6OK	Jim Varney	60
2	W1SRD	Steve Dyer	46
3	W6DE	Dave Engle	42

### CW

1	N6JV	Norm Wilson	11
2	WU6W	Rich Palio	9
3	NA6O	Gary Johnson	7

### Phone

1	NK7I	Rick Bates	1
2	NC6R	Steve Allred	1
3	KD6WKY	Jerry Olive	1

### Data

1	K6OK	Jim Varney	60
2	W1SRD	Steve Dyer	44
3	W6DE	Dave Engle	37

## Postal Increase

Product	Price before Jan. 22	Price after Jan. 22
Letters (1 oz.)	60 cents	63 cents
Letters (metered 1 oz.)	57 cents	60 cents
Domestic Postcards	44 cents	48 cents
International Postcards	\$1.40	\$1.45
International Letter (1 oz.)	\$1.40	\$1.45

## 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

## 2023 Meeting Dates

January 21, Martell

February 25, Shingle Springs

March 18, Loomis

April 15

May 13

June 17

July 22

August 26

September 16

October 21

November 11

December 2

## **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>

## **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/contestcalendar.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.*

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Need QSL cards, business cards, club banners?  
Contact Vina K6VNA [vina@sign-tek.com](mailto:vina@sign-tek.com)

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## 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.*

## ARRL Pacific Division

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