

THE NUGGET



Mother Lode DX/Contest Club

The Newsletter of the Mother Lode DX/Contest Club

April 2023

Volume 28 Number 4

INTERNATIONAL DX CONVENTION

Visalia, California April 21 - 23

Attendance for the DX Convention was down from pre covid levels as expected. The event returned to the convention center this year and the programs ran without serious problems. The only Friday night dinner was the IOTA group. It was good to see old friends and congratulate them for being alive for one more convention. Lots of white hair and balding spots.

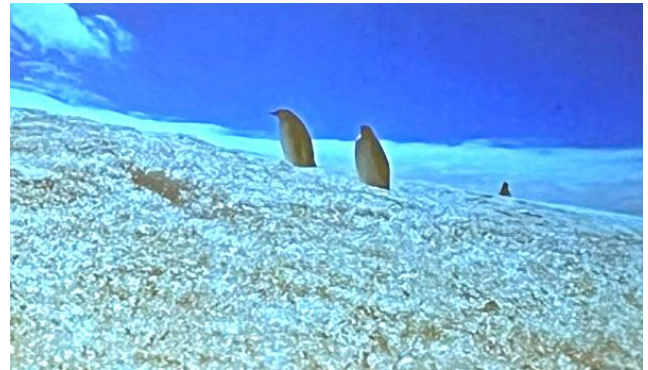
The Saturday lunch, Awards Banquet and Sunday breakfast were handled very well by the staff. The MLDXCC was well represented with more members than the average meeting.

The featured program was done by some of the 3Y0J crew just back from Bouvet. I now have an appreciation of what they had to do to make

any QSOs at all. Nine operators in one tent without a chair or a table to hold a rig and stay in a sleeping bag to keep from freezing. Using the Zodiacs to land didn't work, so the operators had to body surf like seals. I won't complain about the lack of QSOs on new bands.



There seemed to be some very nice raffle prizes and the guy next to me, N6RNO, won a new rig. He seemed to be happy.



I remember when there was a long line to get QSL cards checked, but this year there were more card checkers than applicants. Not sure they will do it again, but I got DXCC and VUCC cards checked.

This was the 74th convention, but there is some discussion on whether it will be the last. It was announced that Southern California DX Club was no longer going to sponsor the convention. Who will step in?



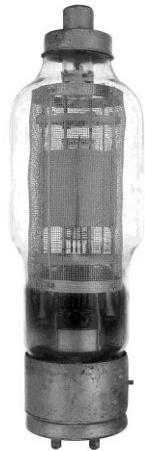
DE N6JV

IOTA DINNER

Tube of the Month

UV-816D

One of the more interesting WWII tubes I have from Japan is the UV-816D. Its construction is different than any other transmitting tube I have seen. The basic tube is a 60-watt tetrode with a standard "50 watt" base. The filament requires 10 volts at 2.5 amps and the plate is rated at a maximum of 1200 volts DC. It could operate up to 15 MHz at full power. The unusual feature is that there is a fine mesh cylinder that is spot welded around all the internal structure and is connected to the screen grid. It's obviously a shield, but why it is needed is a mystery. Were they trying to keep something in or keep something out.



A good way to understand why something looks the way it does is to find out where it was used. There are few reference works that will give us details on the equipment used by the Japanese military. As an example, there are few surviving military aircraft as many that were flying near the end of WWII, were used in kamikaze attacks which gave them a poor record of survival. In 1944, the War Department printed a TM that described all the captured equipment the armed forces had found after a battle. This document is far from complete and has many omissions

and errors, but it was a good effort for that time. The TM indicates some of the transmitters that used the [UV-816D](#) and the field equipment or aircraft where they were installed. From other sources I have identified more instances of where the tube was used. The pattern I see is that in all the equipment that used the UV-816D it was in an aircraft of the Japanese Navy. I found no other applications. Two of the transmitters were the Type 97 Mark 3 that used three UV-816Ds and the Type 96 Mark 3 that used a single. The Type 96 (first made 1936) was installed in the Aichi D3A (Val) dive bomber, the Nakajima B5N (Kate) torpedo bomber and the Mitsubishi G4M (Betty) medium bomber. The girl's names are allied nicknames used for easier identification. One common feature of these aircraft, is the antenna is a wire running from a post above the canopy to the top of the tail. At 100 watts, the RF field must be very high so close to the current end of that antenna. Is the shield an attempt to minimize the feedback into the transmitter to avoid oscillation?



In the April 2016 issue of QST, AH6CY gives us some background on the Type 96 Mark 3 transmitter and has allowed me to use his photo of it. On December 7th, 1941, Pearl Harbor was attacked by Kate torpedo bombers, Kate high altitude bombers and Val dive bombers. The transmitters were all only CW and had no phone capabilities, so in the movie, the Japanese commander yelling "tora, tora, tora" into the microphone, is all Hollywood. The commands were all in Japanese CW code.



Visit the museum at N6JV.com
Norm N6JV

Deleted Countries - Tibet

Tibet

Tibet is located in East Asia. It encompasses a large portion of the Himalayas including Mount Everest and rests on the Tibetan plain. It is the highest area on earth. The average elevation is 14,000 feet.

It is claimed that humans inhabited the region 21,000 years ago during the Paleolithic period. The inhabitants were then supplanted by Neolithic immigrants around 3000 BC. The Tibetan people still carry the genetic traits of both groups.

Early history is steeped in lore and myth. It is said that there were several kingdoms before the rise of the Tibetan empire which began in 604 AD. Buddhism became the state religion shortly after. By 750 AD China, even back then, almost subdued the region however the great general Gao Xianzhi, who defeated the Arabs and Quarlucs also pushed the Chinese out of the region during the Lushan Rebellion in 755 AD. Tibet grew over the next few decades and ruled over Afghanistan, Banblades, Bhutan, Burma, China, India, Pakistan, Kazakhstan, Kyrgyzstan, and Tajikistan, basically the whole region with the exception of India. This empire collapsed in the mid 8th century. The Mongols conquered Tibet but let them govern themselves and maintain their state religion. Eventually the country came under the control of the high lama of the Gelugpa school. He was the first to be named the Dalai Lama. There have been fourteen total.

In 1911 the Xinhai Revolution ended the period of the Chinese Dynasties. Subsequently China became a republic. This was a period of great turbulence. During this time the Tibetan empire was chipped away. Eventually the remnant of the region came under the auspices of Lhasa. The 1913 to 1950 Tibetan nation maintained its autonomy until 1950 when Chinese Communist forces invaded the ill equipped region, subdued the population and annexed it into the People's Republic of China. The Tibetan government was abolished in 1959. The Dalai Lama's government fled to Dharamsala, India and a government in exile was formed. China committed genocide on the Tibetan people killing nearly one million of them during the Great Leap forward. They also destroyed over 6,000 monasteries. This in effect wiped out all historic Tibetan architecture (*does this sound familiar to today's woke revolution?*). China continues to oppress the Tibetans and deals harshly with any unrest.



Thanks to the Southern California DX Club Newsletter

Club Log Standings 2023

Overall

1	W1SRD	Steve Dyer	210
2	K6OK	Jim Varney	201
3	W6DE	Dave Engle	191

CW

1	K6YK	John Lee	164
2	K6OK	Jim Varney	118
3	N6JV	Norm Wilson	114

Phone

1	K6YK	John Lee	122
2	WU7W	Rich Palio	110
3	W1SRD	Steve Dyer	105

Data

1	W1SRD	Steve Dyer	189
2	W6DR	Dave Ritchie	184
3	W6DE	Dave Engle	174

Awards Checkers ARRL

Rick Samoian, W6SR

(DXCC, WAS, VUCC, 160M)

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 No meeting—DX Convention in Visalia
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/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.

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

NC6R has a TS-50, AT-50 tuner, mic & power cable that he is offering FREE to a young ham that would like to get on HF but doesn't have the resources to do so.

Kenwood TS-990 and SP-990 speaker.
I am the original owner. Bought from DX Engineering (2015).
Works perfectly. Never required service and cover never removed. No scratches, no scuffs, no dings. Non-smoking shack.

Includes:
Power cord
7-pin DIN cable
13-pin DIN connector (cable attached)
Original Instruction Manual
Spiral bound Instruction Manual (from radiomanuals.com)
Spiral bound In-Depth Manual (from radiomanuals.com)
Circuit Diagram Sheets
SP-990 Speaker (w/ audio cable)
RT Systems USB-63 Programming Cable and Disc
No microphone. No boxes.

\$3,800

Pick up Options:

My QTH is in Folsom if you want to come here.
I plan to be at the NCCC Awards Meeting in Livermore on Sat April 15
I will be at the IDXC in Visalia Fri-Sun April 21-22-23
I can meet a buyer at a halfway pickup point.

If all possible I would rather not ship due to weight, packaging costs, insurance, and shipping fees.

Contact me at: oldfsp@yaoo.com I can supply photos if desired.

Dave Sanders K6TQ
Folsom, CA
EDCARC / MLDXCC / NCCC

For sale:

Flex 6700 \$3500/offer
Maestro A \$500/offer

Excellent condition.
Prefer local sale; no shipping
Can possibly meet seller at a mutually convenient location in greater SF Bay or Sacramento.
Prefer cash.

73
Rick N6RK
Phone (408)-561-0487

Complete Collins S-Line

100% turn-key with ALL cables, connectors, audio and control lines.

Truly a plug and play assembly! \$2500.00

75S-3 Receiver: all Collins factory up-grades have been applied; PTO is exceptionally stable after 10 minute warm up. They were all hand built, this one is truly exceptional.

This receiver is equipped with the Almost All Digital Electronics, Collins C-75 Digital readout in a separate Collins gray enclosure including ALL CABLES.

32S-1 Transmitter: all Collins factory up-grades have been applied: All interconnecting CABLES are included 100%. Two NOS RCA 6146B's are included in this sale and the installed tubes perform exactly as they should, so, new tubes are included as courtesy.

Collins Microphone SM-2 (quite rare) with factory "gray" coiled cord, equipped with Collins factory PJ-068 phono plug. The condition is truly exceptional

Power Supply: is a custom Heath HP-23

This supply contains an additional 6-volt filament transformer that corrects for today's standard of 120 volts on the primary as opposed to the 110-volt standard in 1961. This supply has the screen voltage clamped via dynamic solid-state regulation originally designed by Collins artist William (Bill) Noonan W6BN (sk) for the Collins 516F-2 This enhancement provides excellent linearity as the screens are held in very close tolerance. Proper Collins plug and cable are applied for connections between TX and power supply. Enclosure is in beautiful condition.

312B-4 Station Console:

Excellent condition includes the special N-connectors with new LMR240 cable and the 6 volt meter light connecting cable. Collins manual copy included.

30S-1 Amplifier:

This is a beautiful monster in appearance and performance, and the Eimac 4CX1000A has less than 50 hours from new install 3 years ago. An additional Eimac 4CX1500B used but, full emission specifications are included.



HF Amplifier:

Icom IC 2KL solid state \$1000 performs at spec, face plates of both RF deck & power supply are perfect, RF deck enclosure scratched and small dents however; works perfectly.

HF Transceiver:

Yaesu FT990 DC \$400 excellent condition, built in factory tuner, includes optional Yaesu high stability TCXO and Yaesu factory 500 & 250 Hz CW filters. This was my main CW rig and never driven more than 50 watts maximum... amplifiers were always downstream. Also, includes Yaesu MD-1 desk mic with Heil HC-4 element installed. Operator manual and Yaesu Technical service manual included.

HF project transceiver:

Yaesu FT900 \$100 requires 10pf trim capacitor on master oscillator zero-adjustment (I've run out of time to do this) this rig is in very nice condition, built in tuner, NO microphone, NO DC power cord. Rig performs correctly, full output all modes, just needs the Master oscillator trimmer replaced to correct zero set.

Digital Audio:

Timewave DSP-9+ \$50 excellent condition, Andersen DC connectors

6 Meter Amplifier:

Teletec DXP-L180 with Andersen DC connectors \$150

220Mhz & 902MHz Handheld, New in Box (never opened)

Alinco DJ-G29T \$300

THE LAST UNIT SOLD FROM THE ALINCO PLANT IN LATHROP CA. It's a Unicorn, there are no more. All Factory sealed package with manuals. List compiled from WA6Q as personal equipment. I will be attending the Swap meet in Sacramento in May.

All equipment will be delivered to the Swap meet for pick up. Items sold prior to the Swap meet must be secured via telephone call prior to the Swap meet to secure the sale.

My call and address are 100% correct in the call book and/or QRZ

My telephone number is: 530-521-0123

Please call and leave voice mail to confirm you are interested. I must see a valid phone number and a legitimate message to return your call.

Thank You,

Bill WA6Q

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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