

The Nugget



Mother Lode DX/Contest Club

The Newsletter of the Mother Lode DX/Contest Club

MEETING DATE, LOCATION & PROGRAM

Our October 31st. This will be the BIG three club Joint meeting in Fairfield at Rockville Corners. Please RSVP to Joanna K6YL soon.

Joint meeting with NCCC, MLDXCC and REDXA

SATURDAY, OCTOBER 31, 2015
Lunch time: 11:00 AM (early start)

LOCATION: Rockville Corners 4163
Suisun Valley Road Fairfield, CA 94534
Phone: (707) 864-4325
<<http://www.salvioattherock.com>>
www.salvioattherock.com

PROGRAM: Paul N6PSE - "DXpedition to

Eritrea E30FB" with an update on the upcoming "VP8STI/VP8SGI DXpedition" & John K6MM - "Ham Radio: The Light Side. Why We Do... What We Do"

RSVP & PAYMENT: RSVP will be required and we'll be collecting money for this event. Menu and pricing tbd. Send your RSVP's to: Secretary.NCCC@gmail.com. See you there! Bob KR6N

MLDXCC DUES

MLDXCC dues are voluntary; however you must pay dues, \$15/yr, to be eligible for any club awards.

A quick look at our financial status shows us just about breaking even for the year. We started the year with \$1346.48 and ended with \$1655.26. That looks good at first glance, but \$ 400 of that came from sale of

an antenna and proceeds from Visalia Contest Dinner so we ended year with a small loss. We cannot always count on those resources. Our expenses each year are; \$ 200 for club liability insurance, \$ 250 to Northern California DX Foundation, \$ 244 for plaques, prizes & awards. These figures, while close, are subject to final analysis by Treasurer. **Dues are \$ 15 per calendar year. Dues can be brought to meeting or mailed to Carolyn at P.O. Box 273, Somerset, CA 95684-0273.**

2015-Officers

Shirl Rose - AA6K President
Bob LeClerc - KR6N Vide-President
Dick Wilson - K6LRN Secty
Carolyn Wilson - K6TKD Treasurer
Steve Allred - K6SCA BoD
Rick Casey - W6RKC BoD
Bob Hess - W1RH BoD
Ken Anderson - K6TA BoD

NCCC and MLDXCC Members enjoying Lunch and a fun time at WC6H's QTH



Up-Coming Club Events

November 14 meeting
ARRL SS CW Nov 7-9
ARRL SS SSB 21-23
CQ WW CW DX 28-29
December No Meeting

ARRL 10 Dec 5-6
ARRL 160 " 12-13

Note; this is tentative. There are many other operating events. These are 'major' events that may influence choice of meeting dates. Some of these can be focus for us, some will be ones we 'co-operate' or co-ordinate with NCCC, such as NAQP & possibly SS.

Meeting locations

Mountain Mikes, Martel
Spaghetti Factory, Stockton
Max's, Auburn
Denny's, Cameron Park
Habenero Hot's, Lodi
Thai House Restaurant, Valley Springs



FIRST PIC. FROM TX3X COURTESY OF AL, AD6E

It was fun in it's own way. Just wish the sun had cooperated. A=77 was an unpleasant surprise.

THE PREZ SEZ.8

Greetings to all,

A health update from your president is in order. The folk at Kaiser wired me up with a mobile cardiac monitor for a 30 day period. That period will be up on October 23rd. Within 2 days of wearing the monitor I got a call to pick up a prescription for Atenolol which

slows the heart rate and is a beta blocker. On October 12 I had a stress test on a treadmill. They did an ultrasound scan of my chest before and after and found no blockages so that's good. However, the troubleshooting of my cardio system is still a work in progress.

Now for the good stuff. The CQP is now behind us and from what I've been hearing via email we seem to have done quite well for the band conditions. Unfortunately I was unable to play because my SteppIR malfunctioned the day before CQP and I need to do some more troubleshooting as it appears I have an open circuit in my control cable. At least I hope it is in the cable and not a bad driver EHU.

Now for the really good stuff. We have periodically discussed a MLDXCC entry into the November SS as a medium club. Last year the SCCC won this category with 45 logs totaling 4.5 M points. Thanks to some research done by Bill/N6ZFO last year the MLDXCC members 45 logs totaling 4.4 M points. Most of our logs were submitted for the NCCC but the research indicates that this is possible so lets go for it. The PL-259 guys won the local club category so let's have 2 gavels in Northern California!!!

I hope I can make the meeting!

Shirl/AA6K

President, MLDXCC

THE VP SEZ

Message for October 2015

Hello all,

What a great BBQ/meeting at Rich and Anja's QTH in September. The catered lunch from Dickie's BBQ was outstanding and being under the tent made the afternoon very comfortable. The WC6H station was open to the crowd for a test drive or just to admire. Many of us enjoyed the antenna farm tour as well. Thanks again to Rich and Anja, along with the NCCC club, for a very enjoyable afternoon.

A couple items to mention here. The October MLDXCC meeting will take place at Rockville Corners in Fairfield. The meeting date is October 31. We will have a little earlier start time of 11:00 am. This is our big three club joint meeting. Paul Ewing N6PSE will be speaking about the DXpedition to Eritrea E30FB with an update on the upcoming VP8STI/VP8SGI DXpedition. John Miller K6MM will also have a fun presentation on "Ham Radio: The light side". Please RSVP to Joanna K6YI secretary.nccc@gmail.com.

The second item is the November MLDXCC meeting. There will only be a couple weeks between the October and November meetings. The November meeting will be as planned on the 14th. Jim Brown K9YC will be unable to be our speaker on this date due to scheduled surgery and recoup time.

The meeting location will now be at Mountain Mike's in Martel to have a shorter drive for most members. Being

well into the contest season, we are hoping for open discussion on anything that would be of value to the group. N1MM+, which is favored by many members, could be a starting point with shortcuts and tips. And lastly it is that time of year for nominations and election of the 2016 elected officers. This should be scheduled for the November meeting. See you at the Rockville Corners in Fairfield October 31st

Bob, KR6N

Treasurer's Report

Balance September 1, 2015: **\$1651.70**

Income:

Donation – K6AAM

5.00

Dues- K6AAM thru 6/30/16

15.00

Dues – KI6CG, K6LR, AE6Y
thru 6/30/17

45.00

65.00

Expenses: CQP Single op LP plaque 60.00

Balance September 30, 2015: **\$1656.70**

Carolyn Wilson, K6TKD
Treasurer

Editor's Notes de Rick, W6SR

Hi all.....

A very good meeting in September, thanks to Rich and Anja for putting-up with all of us. And turning their front yard into tent-city. BTW: Dickey's BBQ catered the event and the food was first class. Yum!

On the not so pleasant side of that weekend, Norm and our wives as well as one or two other HAMS attended Lyle's, K6QG's funeral service prior to the meeting. And on Sept. 18th it was my three quarter of century Birthday. I

guess I should be happy that I'm still on the up-side of the ground, Hi Hi

As most of you know, I'm not a big fan of state-side contests, but I still want to support the club's effort in CQP. So K6OK operated my station on Saturday, and K6IJ (ex KH7Y) operated here for a bit on Sunday. Conditions were pretty lousy both days, but at least a modest score was sent to support the club.

I worked the TX3X group on 30M and RTTY, where I needed them for fills to my DXCC. This closes-out Chesterfield Island for me, I have now worked it on 160-10M. Other than that, not much HF operating because of disturbed conditions for most of the month.

Enough for now, see you all at the 31 October meeting, **de Rick, W6SR**

MLDXCC Meeting , September 2015
Meeting Mins.

As the September 19, 2015 meeting was a social event held at Rich & Anja Cutler's QTH, sign-in sheet was not passed around. There were about 18 MLDX/CC members present.

We did have a rather quick 'business' meeting to vote in new members AF6SA Stefan & Dennis KA6JLJ. Meeting called to order at 12:12 PM, VP Bob KR6N presiding as President Shirl AA6K was not present. Both were voted in unanimously. Meeting adjourned at 12:14 PM.

The BoD voted online to accept Greg NR6Q as a 'conditional' member pending vote by membership at next business meeting.

Current MLDXCC policy is that we do not contribute directly to Dxpeditons. But as a club,

make an annual donation to the Northern California DX Foundation. As Paul N6PSE is speaking at the joint meeting on October 31, some of us feel it appropriate to donate to the upcoming VP8 DXpedition. The group has been granted a 501 (c) (3) tax status making contributions tax deductible. Would someone volunteer to gather these, put them in an envelope so we can present to him at joint meeting??

de Dick, K6LRN

Tube of the Month

8D21

Television has been around in one form or another since the late 1920's. RCA's first experimental station in New York had one transmitter, three scattered receivers and a "Felix the Cat" doll slowly rotating on a turntable. Very exciting. After the end of WWII, the FCC licensed commercial VHF television channels in two frequency segments and 70 stations were quickly licensed. Coverage was a real problem as stations tended to be low power, but with tube technology learned during the War, new tubes were being developed. RCA had been working on the problem and by 1948 developed a new transmitter, the TT-5A (Television Transmitter 5 KW) around its new tube, the 8D21 that had been in development for several years.

All glass tubes have a practical limit of about 2 KW dissipation, so the 8D21 was built with all its elements water cooled and not just the anode. This gave the tube a dissipation of 6 KW with an input power of 10 KW. With an upper frequency limit of 300 MHz, it would operate on all TV frequencies. UHF TV wasn't approved until 1955.

The TT-5A used two of the 8D21 tubes. One was in the video transmitter and the second in the FM audio transmitter. Both transmitters were constructed with similar RF sections. Low channel transmitters could omit the last two driver stages. The upper channels required the additional stages ending in push pull 4C33s (later 4X500As). Due to the tube's construction, they needed to be mounted on their sides. The complicated network of wires and water hoses made fast tube replacement a real problem. The TT-5A had the tube mounted on a vertical plate that could slide out with the tube attached. Most of the water lines were combined so a new tube module could be slid in quickly.



With this powerful transmitter the range was greatly increased. TT-5As were quickly installed on Mt. Wilson and the Los Angeles basin was all in range. The weird looking tubes were used in RCA tube advertising for several years and are scarce today. I think the old TV engineers kept all the replaced tubes as souvenirs.

Visit the museum at N6JV.com
Norm N6JV

Member News, Items For Sale & Feedback

I have a HY-Gain TH-11, 20-17-15-12-10 meter beam antenna for sale. Last price I put on it was deemed 'too high', so make me an offer. I did get some new trap boots from MFJ. It seems to be complete & in reasonably good condition, i.e., not corroded, pitted or badly bent. And it is currently stored indoors. **de Dick, K6LRN**



de Verne Terwilinger....

Well the day finally came when I lifted the tower with the new 3-el SteppIR up in the air. It has been approximately 10 months from the time some folks helped me transport the tower home to making my first contact with the new antenna. My

goal was to have it up and running for the NCCC California QSO Party, so I still have some time to put it through it's paces to see if everything will hold together for a contest.

While I would like to say that my first contact with the new antenna was an ATNO, I had to settle for a couple of Route 66 and Salmon Run stations and an Alberta station activating a SOTA summit.

There are too many names who helped out on this project, but you know who you are, and without your help this project may have taken longer. Thanks to everyone that helped to make it a success, from labor, material, advice, moral support and more...Thanks so much!!

Here are some of the specs:

Tower: Used TriEx WT-51 crank-up - The tower was at Rick's, W6SR, old QTH that he sold to Steve, W1SRD, and Doris, K0BEE. Confusing huh?

Antenna: 3-element SteppIR with 30/40 dipole and 6m passive kit

Mast to Boom Plate: NN4ZZ's Tilt Plate - Allows you to lower the tower down to horizontal to work on when needed. Notice I said when, not if...;{))

Coax: RG-213, 125 foot run into shack

Engineer: Jim, K6OK - Shameless plug! If you need a permit and don't want any questions (in my case anyway) from the county contact Jim.

Hi guys, I am getting a bit closer to having a real tower. Now I need to wait a week for the inspection before we pour.



Hi Rick

I have 2 items for sale,,,,

1st YAESU FT-101E....The case is in good condition (8 outa 10) still has plastic on face,,,,I have no way to check it as I lost the power cord in a move and still have not found it....It did work when I took it outa line years ago.

It has the DC/DC converter and the speech pros.....ASKING \$175



73, Fred K6IJ (ex KH7Y)

Hi All, I recently got a new antenna. It's a Hex Beam by K4HEX. I should have it up by the end of the month. I have the following items for sale: Signalink USB Interface with SLUSB8R cable (8-Pin Round Mic connector) and USB cable. \$40.00

Cushcraft MA5B Compact HF Multi-Band Beam. Like new (only used a few months). \$175.00

MFJ-1775 antenna 6 Band Mini Rotatable dipole \$45.00

Contact info: Dave, K6KNS oldfsp@yahoo.com (916) 351-9206

Also have a YC-601 digital displayno jumper, again lost in move...condition is also good ...asking \$150

Any more info that ya need you can contact me thru email or phone,,,,290-939-1073 or kg6svf@yahoo.com

Thanks KG6SVF Dave

W6DE's 55 ft. rotating tower, with a StepIR 3 element beam with the 30/40M element installed.



determine pricing and take your money. **de Bob, W1RH** w1rh@yahoo.co

I have a variac and plate transformer that I wish to sell. The details on the transformer are written on it. And the ratings of the variac are also listed.



The transformer measures:
H - 8 1/4, W - 10 3/4, D - 9 1/4
And weighs 115 pounds.



From K6KM's estate, we have the following items for sale:

(5ea) Rohn GB-45 guy bracket, (2ea) Rohn 45 rotor plate, (1ea) Rohn GB-55D guy bracket, missing some hardware, (2ea) BLP, (6ea) Misc. guy wire assemblies. Don't know length but can verify if necessary. (5ea) PLP Big Grip BG-2144 1/4 inch, (2ea) Phillystran Big Grip HPTG-670001 / BG-MS-2755 3/8 inch, (1ea) 20 foot mast - quarter inch wall (approximate), (1ea) 15 foot mast - quarter inch wall (approximate)

Also have a large lot of ICE grounding/surge protection items.

Most if not all of this stuff can be available at the Saturday MLDXCC meeting, with advance notice.

I will deliver at the meeting. Rick, W6SR, will



Best offer on each
Thanks, Bob, W1RH w1rh@yahoo.co

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>

The K7RA Solar Update

QST de W1AW
Propagation Forecast Bulletin 43 ARLP043
From Tad Cook, K7RA
Seattle, WA October 23, 2015
To all radio amateurs

SB PROP ARL ARLP043
ARLP043 Propagation de K7RA

Average daily sunspot numbers over the past week were up 38.1 points to 75, and average daily solar flux rose 30.7 points to 118.2. Geomagnetic conditions were quiet over the week, with average planetary A index declining from 25.1 to 11, and mid-latitude A index dropping from 17.6 to 9.1.

Predicted solar flux is 125 on October 23-25, 120 on October 26-28, 115 on October 29-30, 85 on October 31 through November 1, 80 on November 2-6, then 85, 90, 95, 100, 105, 110, 115 and 120 on November 7-14, 125 on November 15-17, 120 on November 18-20, and 115 on November 21-22. Flux values then drop to 80 on November 28 through December 3.

Predicted planetary A index is 5, 12, 24 and 8 on October 23-26, then 5, 8, 12 and 10 on October 27-30, 5 on October 31 through November 2, 50 on November 3, 40 on November 4, 25 on November 5, 12 on November 6-7, then 20, 25, 20 and 10 on November 8-11, and 8 on November 12-13. A index then drops to 5 on November 19-24, then bounces back to 50 on November 30.

Those Ap index values of 50 on November 3 and again on November 30 seem to be echoes of the October 7-8 period when planetary A index was 77 and 56. The high values are each spaced one whole solar rotation (27-28 days) from each other.

F.K. Janda, OK1HH sent us his weekly prediction for geomagnetic conditions. He believes the geomagnetic field will be mostly quiet October 23, quiet to active October 24, quiet to unsettled October 25, quiet on October 26, mostly quiet October 27, quiet to active October 28, mostly quiet October 29, quiet to active October 30 through November 1, active to disturbed November 2, quiet to active November 3, active to disturbed November 4, mostly quiet November 5-6, quiet to unsettled November 7, quiet to active November 8, active to disturbed November 9, quiet to active November 10, mostly quiet November 11-12, quiet to unsettled November 13-14, mostly quiet November 15, quiet to unsettled November 16, and quiet to active November 17.

OK1HH expects increased solar wind on October 29-31, November 2-5, 10-11, 15, 18 and 19-20. The days October 29-30, November 2, 5, 10-11 and 19-20 have a lower probability of increased solar wind.

Now what do all these numbers mean? For good HF conditions we like to see a quiet geomagnetic field, and higher solar flux and sunspot numbers. The A index also represents geomagnetic conditions, and for this, single-digit numbers are desirable, the lower the better. An A index about 10 represents unsettled to active conditions and when it gets toward 50, this is a geomagnetic storm.

The main reason we like low geomagnetic numbers is the higher numbers may indicate higher absorption.

Read <https://www.arrl.org/files/file/Technology/tis/info/pdf/0209038.pdf> for a good explanation of A index and other solar indices.

Don't forget, this weekend is the SSB portion of the CQ Worldwide DX Contest. See <http://www.cqww.com/rules.htm> . Conditions should be good, with no predicted geomagnetic storm until November 3.

If you would like to make a comment or have a tip for our readers, email the author at, k7ra@arrl.net.

For more information concerning radio propagation, see the ARRL Technical Information Service web page at, <http://arrl.org/propagation-of-rf-signals>. For an explanation of the numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>. An archive of past propagation bulletins is at <http://arrl.org/w1aw-bulletins-archive-propagation>. More good information and tutorials on propagation are at <http://k9la.us/>.

My own archives of the NOAA/USAF daily 45 day forecast for solar flux and planetary A index are in downloadable spreadsheet format at <http://bit.ly/1VOqf9B> and <http://bit.ly/1DcpaC5> .

Click on "Download this file" to download the archive, and ignore the security warning about file format. Pop-up blockers may suppress the download.

Monthly propagation charts between four USA regions and twelve overseas locations are at <http://arrl.org/propagation>.

Instructions for starting or ending email distribution of ARRL bulletins are at <http://arrl.org/bulletins>.

Sunspot numbers for October 15 through 21 were 49, 68, 83, 81, 94, 77, and 73, with a mean of 75. 10.7 cm flux was 106.8, 109.1, 116.6, 119.5, 123.7, 122.8, and 129, with a mean of 118.2. Estimated planetary A indices were 10, 8, 11, 22, 5, 9, and 12, with a mean of 11. Estimated mid-latitude A indices were 9, 8, 9, 15, 3, 8, and 12, with a mean of 9.1.

UP-COMING DX and Dxpeditions

Click the link below to display up-coming Announced DXpeditions:

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

QST de W1AW
DX Bulletin 42 ARLD042
From ARRL Headquarters
Newington CT October 22, 2015

To all radio amateurs

SB DX ARL ARLD042
ARLD042 DX news

This week's bulletin was made possible with information provided by QRZ DX, the OPDX Bulletin, 425 DX News, The Daily DX, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

UNITED NATIONS, 4UUN. The United Nations Amateur Radio Club will celebrate the 70th anniversary of the United Nations with special event station 4U70UN. Operations are expected to take place between 1400Z and 2130Z this Saturday and Sunday. There will be no overnight operations. Guest ops will be KT1J, Henry; NT2X, Ed; K1ZK, Zach; NT2Y/UN7TER, Eugene; N1JEZ, Mike; SM6LRR, Mats; KP2P/RA9USU, Dima; and KR2Q, Doug. They plan to cover as many bands and modes as possible, including some satellite activity.

SVALBARD, JW. LA3TR and LA8BCA are now QRV as JW3TR and JW8BCA, respectively. No word on how long they will be there. QSL via home calls.

BELARUS, EU. In celebration of the 70th anniversary of the United Nations, special event station EV70UN will be QRV from Minsk City until November 20. QSL via EW1NY.

TUNISIA, 3V. Ash, KF5EYY plans to be QRV as 3V8SS in the CQWW DX SSB Contest this weekend in the SOAB category. QSL via LoTW and LX1NO.

CHINA, BY. BD1LT will be a multi-op in the CQWW DX SSB Contest with operators BD1LT, BG1QQT, BG1HAS, BH1HUK, BH1EBF, BH1DDU, BH1IGB, BH1IOT, BH1OEO, BD1IJ and BH1CXR. QSL direct, via the bureau or LoTW to BD1LT.

CYPRUS, 5B. Look for 5B4AFM, 5B4AHZ, 5B4KH, 5B4MF, 5B4ZN and G4AXX to be QRV as C4A in the multi-two category in the CQWW DX SSB Contest. QSL via 5B4KH with logs being posted on Club Log.

THAILAND, HS. E2A will be a multi-two entry in the CQWW DX SSB Contest. Ops will be Siam DX Group members E20PFE, E22WWZ, HS7WMU, HS8FFH, HS3PJF and HS7WHB. QSL via E21EIC and OQRS on Club Log.

TIMOR LESTE, 4W. Tack, JE1CKA will be active as 4W/JE1CKA until October 28. Activity will be on 160 to 10 meters using mainly CW and also on SSB in the CQWW DX SSB Contest. QSL via home call.

SAN ANDRES ISLAND, 5J0. Joseph, LU1FM will be active as 5J0B until October 27. Daniel, LU9FHF will be with him. Activity will be on 160 to 6 meters using SSB and digital modes. Also look for him to

participate the CQWW DX SSB Contest. QSL via home call.

THE GAMBIA, C5. Luc, F5RAV (C5LT) and Gerard, F5NVF (C5C) will be active from Kololi until October 27. Activity will be on 40 to 10 meters using SSB, RTTY and possibly CW. Operations will also include the CQWW DX SSB Contest using the call sign C5C. Also, Mustapha, C5MF, their guide in the Gambia and a new ham, will be making his first QSOs. QSL C5C and C5MF direct only to F5RAV.

MOZAMBIQUE, C9. Operators John, ZS5J and YL Beth, 2W0VOW will be active until November 3 as C91B. Activity will be on all HF bands from 160 to 6 meters using CW and SSB. Free daily logbook uploads will be done to LoTW and ClubLog. If you need a QSL card sent by email, the address and information is on QRZ.com.

MOROCCO, CN3. Operators Stefano, IK2QEI, Matteo, IK2SGC, Marco, IK2LFF, Manuel, IK3STG, Filippo, IZ1LBG and Roberto, I2WIJ will be active as CN3A from Safi during the CQWW DX SSB Contest. QSL via LoTW or via IV3ZXQ.

MARSHALL ISLANDS, V7. V73D is QRV from Majuro Island (OC-029) until October 28. They have four stations simultaneously on the air 24/7 on 160 to 6 meters using CW, SSB and RTTY. An OQRS will be used from ClubLog for both direct or Bureau QSLs, preferred. QSL via DL4SVA, direct or by the Bureau.

MACAU, XX9. Janusz, SP9FIH and Bogdan, SP2FUD are now active as XX9TIH and XX9TUD, respectively, until October 28. Activity is on 40 to 10 meters using SSB and RTTY. QSL via their home calls.

ALBANIA, ZA. Pekka, OH2YY will be active as ZA/OH2YY from Durres during the CQWW DX SSB Contest as a Single-Op/Multi-Band entry. Operation will be limited to the contest only. QSL via his home call address.

Click on the Hyperlink below to check-out the MLDXCC scores in the latest contests.

<http://mldxcc.org/scores.html>

UP-COMING CONTESTS (complete)

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

<http://hornucopia.com/contestcal/contestcal.htm>

ARRL School Club Roundup 1300Z, Oct 19 to 2359Z, Oct 23
+ NCCC RTTY Sprint 0145Z-0215Z, Oct 23
+ NCCC Sprint 0230Z-0300Z, Oct 23
+ CQ Worldwide DX Contest, SSB 0000Z, Oct 24 to 2400Z, Oct 25
+ RSGB 80m Club Sprint, SSB 1900Z-2000Z, Oct 29
+ NCCC RTTY Sprint 0145Z-0215Z, Oct 30
+ NCCC Sprint 0230Z-0300Z, Oct 30

+ ARRL EME Contest 0000Z, Oct 31 to 2359Z, Nov 1

November 2015

ARRL Sweepstakes Contest, CW2100Z, Nov 7 to 0300Z, Nov 9
WAE DX Contest, RTTY0000Z, Nov 14 to 2359Z, Nov 15
CQ-WE Contest1900Z, Nov 14 to 0500Z, Nov 16
Run for the Bacon QRP Contest0200Z-0400Z, Nov 16
ARRL Sweepstakes Contest, SSB2100Z, Nov 21 to 0300Z, Nov 23
CQ Worldwide DX Contest, CW0000Z, Nov 28 to 2400Z, Nov 29
December 2015
ARRL 160-Meter Contest2200Z, Dec 4 to 1600Z, Dec 6
ARRL 10-Meter Contest0000Z, Dec 12 to 2359Z, Dec 13
Run for the Bacon QRP Contest0200Z-0400Z, Dec 21
Stew Perry Topband Challenge1500Z, Dec 26 to 1500Z, Dec 27

The MLDXCC NEWSLETTER

Information may be reproduced provided credit is given to MLDXCC.

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(including 160M cards)

Rick Samoian, W6SR

(including 160M cards)

Note: ARRL Card Checkers can check DXCC, WAS and VUCC Awards.