

The Nugget



Mother Lode DX/Contest Club

The Newsletter of the Mother Lode DX/Contest Club

MEETING DATE, LOCATION & PROGRAM

When: Our next meeting is **Saturday, June 18th** at 12:00 noon.

Where: Mountain Mike's Pizza in Martel, CA. They are located in the shopping center with Save-Mart on Highway 88, just west of Highway 49. Our meeting room is reserved from 11AM-3PM. At our regular time (noon) (The room is reserved from 11AM-3PM.) See the club's website at <http://www.mldxcc.org/> and click on "meetings" for a map and more information.

What: The program Field Day Show and Tell. Your participation is requested (and in the absence of participation, yours may be compelled) Bring Field Day/portable/self-contained/off-the-grid projects, gadgets and equipment, and anything related to Field Day that you want to share. I will be bringing my station-in-a-box, that I occasionally take when I travel. Bring pictures of that memorable Field

Day. Bring your best Field Day promotional materials. Bring your best Field Day tall tales. It's time to share. (You can even bring your favorite Field Day treats to share, solid or liquid.)

The following photos show our group really chowing-down at the Chinese restaurant in Valley Springs as well as a few photos of the big antennas at the WC6H QTH





FROM THE PREZ:

I shall not be attending our next meeting. I only recently realized that the meeting date and my 40th Wedding Anniversary. I think the world of you folk but I'm taking my wife out for something special. I shall impose on VP Dana to run a good meeting. An item to be discussed at the meeting is the request from Paul N6PSE for fiscal support of the South Sudan DXpedition.

In the last month I was reminded that one should pay attention to all details on a QSL card. I had been anxiously awaiting my TJ9PF QSL card from the Cameroon DXpedition because it would confirm #96 on 80M which will bring me closer to the 5BDXCC. I received my TJ9PF QSL in the mail on Monday June 6th. In addition to 80M it confirmed 4 other new bands for Cameroon. I dutifully reported this event to W3UR at the Daily DX. On Tuesday I got an email from W3UR asking me to check the QSO year on the card to see if it read 2001 vice 2011. Sure enough Bernie was right. All of my QSOs read 2001. Fortunately this has been rectified by a ARRL ruling that it was a known error and the QSL manager does not need to print corrected cards.

Solar Cycle 24 seems to be getting sluggish. In the past month we have seen a decline in sunspots and solar flux. Hopefully the sun will soon get back on the upswing.

73 de AA6K

Shirley

(and in the absence of participation, yours may be compelled)

Bring Field Day/portable/self-contained/off-the-grid projects, gadgets and equipment, and anything related to Field Day that you want to share. I will be bringing my station-in-a-box, that I occasionally take when I travel. Bring pictures of that memorable Field Day. Bring your best Field Day promotional materials. Bring your best Field Day tall tales. It's time to share. (You can even bring your favorite Field Day treats to share, solid or liquid.)

de N6DW, Dana

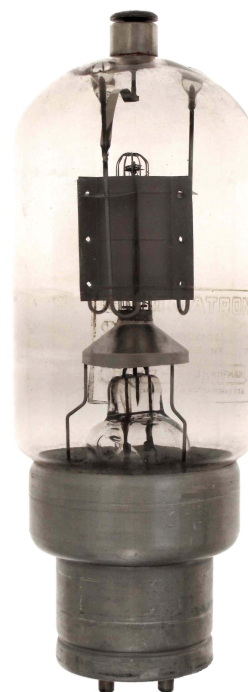
Tube of the Month de Norm, N6JV

HK-354

In 1934, lots of things were happening in the transmitting tube world. The overturn of RCA's monopoly was making opportunities for several companies. EIMAC had split from Heintz & Kaufman and H&K was now looking to start selling to the public. They needed something to compete with EIMAC. The HK-354 was a well-designed tube with a dissipation of 150 watts and had a grid. H&K no longer had to make the Gridless Gammatrons. Three wide spaced anode supports made the tube very rugged. The success with the 354 prompted H&K to expand the options. If you wanted to use the tube in high frequency work, it could be purchased with a side grid terminal. Eventually they made it with your choice of amplification factor. The original had a mu of 14, but now it was also offered in 9.5, 22, 35 and 50. Each variation was assigned a suffix from A to F. I have found an obscure advertisement that

VP's ORM

Our June Meeting is scheduled for the week before Field Day, June 18 at noon in Martell. In anticipation of the event, the program for the June meeting is Field Day Show and Tell. Your participation is requested offered to mix and match the features. You could get a 354-F with or without a side grid pin. It keeps tube collectors looking for all the variations.





Visit the museum at N6JV.com
Norm N6JV

Member news/feedback/Announcements/and Items F/S.

Very Long Path Antenna

At the rate I have been working new countries on 6 meters, it was obvious that I had to live a very long time or try something different like moon bounce if I was to make DXCC on 6. Living in the city has many problems including lack of room and too much noise. Everyone has a house full of stuff that makes noise. The Loop Fed Array or LFA is becoming very popular with the big gun VHF DXers and moon bouncers. The typical LFA will have slightly less overall gain than a conventional yagi, but is less susceptible to noise. The LFA antennas were designed to have a better front to back ratio and highly reduced side lobes. They are a direct 50-ohm load, so they are very easy to stack. They also have very low SWR for 500 KHz.

My first problem was finding a suitable 32-foot boom. W6QUV offered to give me one he had hanging on his fence. This was a 34-foot, 2-inch diameter boom that I could overlap to get the length I needed. There is no way I was getting a 32-foot antenna on my tower so it had to go in the back yard. My back yard is about 25 X 66 feet and there are guy wires running across it. If I could get it up 20 feet, it could shoot between the guys. The steel guys would make the antenna useless; so more money was invested in Phillystran guy cables made of Kevlar. This project was getting expensive. Aluminum tubing for the elements had to be ordered and some element to boom brackets fabricated. Lyle, K6QG, loaned me a military tripod mast that could elevate it to 20 feet.



When the antenna was assembled and tested it looked very good electrically. The antenna rotor was too small and couldn't handle the long boom. A Ham4 rotor was borrowed from W6SR, but it proved too heavy and the mast almost fell over. The antenna was designed for high elevation adjustment using an actuator arm like they use on small TV dishes.

Another actuator was purchased to act as the rotor. The Moon is only useful to Europe when it comes up at about 60 degrees and is out of range at 120 degrees. The arm would handle this with precision. A calibrated potentiometer was rigged with a timing belt to run a direction indicator.



The first on the air tests showed promise, but also the shortcomings of city living. Heavy noise from the East often killed reception. The mount was rebuilt to allow the antenna to point up to 70 degrees where there was less noise. At no time during Moon schedules was I not heard. Very strong reports were received from three G stations as well as ES, SM and S7. Using the elevation made the difference.



A single yagi station needs to be patient and wait for the conditions on the Moon to be at their best. Faraday rotation and e-skip on 6 messes things up. After a few schedules, G5WQ was finally worked using JT65 EME mode. If I were in a quiet location, this would have been a lot easier. My signals could be heard by ear as well as software.

Eventually I hope to work at least 10 new ones on 6 using EME. It may take a lot of work, but most of the year you are listening to a dead band anyway. Only 24 more to go.

Norm, N6JV

MLDXCC MEETING MINUTES - MAY 21, 2011
GOOD FRIENDS CHINESE RESTAURANT,
VALLEY SPRINGS, CA

12:45 PM - AA6K called the meeting to order

Officer Roll Call
AA6K - President
N6DW - Vice President
K6TKD - Treasurer
W1RH - Secretary
K6TA - Director
WC6H - Director
W6SR - Newsletter Editor
N6JV - Webmaster

Old Business

Previous meeting minutes - Approved

Treasurer's Report - No change from last report

Achievements - W1RH received plaque for First Place, M/S, CQP

Membership - Shirley brought up the subject of just what constitutes membership in good standing. Dana reviewed what had previously been voted on: Dues were due in 2010. This year, however, is a voluntary dues year. Anyone who has not paid 2011 dues remains a member in good standing for the year, 2011. Additional discussion was tabled, per suggestion by K6LRN, due to the noisy environment in the meeting room.

Disposition of old financial records - Carolyn, K6TKD, noted that she has MLDXCC financial records dating back to 2007. Lyle proposed we retain all records for 7 years. There was some discussion. Dana recommended that the President and Treasurer work it out off-line.

Dxpediton Support - Shirley, AA6K, said that the Intrepid DX Group sent MLDXCC a check for \$180, which was 90% of a donation made by MLDXCC for the T6PSE dxpedition, which has since been cancelled. The remaining 10% was used by the Group in administrative planning for the dxpedition. The

check will be returned to the MLDXCC treasury. This will be reviewed at the June meeting. It was noted that MLDXCC routinely supports the NCDXA.

Joint Meeting - NCCC is interested but no decision as to participation. The location, should we have the meeting, has yet to be determined. W1RH noted that there are no restaurants in Walnut Grove capable of accommodating 60-70 people, should a tower tour be featured.

Next Meeting - Dana suggested a Field Day related show-and-tell.

Field Day - Peddler's Hill ruled out as a location. Too much snow. The club will not participate in Field Day.

North Hills Swap - Norm, N6JV, reminded those in attendance of the North Hills Swap Meet.

1:30 - Meeting closed and the group caravanned to WC6H's place for a tour.

Editor's Notes de Rick, W6SR

Good turn-out at the last meeting! The venue was fun, the food was good, but it was just a bit noisy. The tour of WC6H's place was great and many took the side-trip, he does have a great spot and his station is well though-out.

I spent the last month weed-whacking and spraying (with my son's help), now, with the rain of a last week, I wonder if our labor was wasted, cus' them weeds is coming back with a vengeance!

I was listening during the ARRL VHF Contest but we didn't have much in the way of sporadic E opening so it was pretty-much a ho-hum.

Enough for now, see ya' all June 18th. de Rick, W6SR

June 2011 Treasurer's Report

Balance May 1, 2011: \$1989.73

Income:Dues - N5KD 15.00

Refund - donation to Intrepid DX Grp. Afghanistan Ex. 180.00

195.00

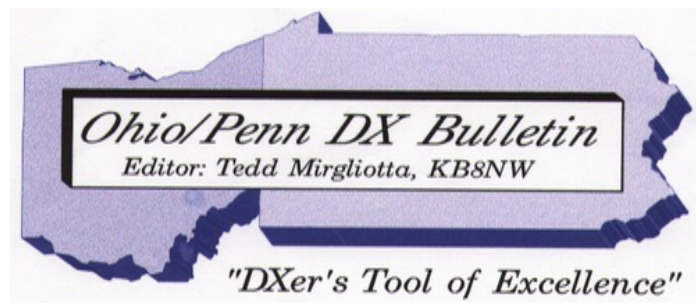
Expenses: Liability Insurance Premium, Seabury & Smith 320.00

Balance May 31, 2011: \$1864.73

Carolyn Wilson K6TKD, Treasurer

Click on the Hyperlink below to check-out the MLDXCC scores in the latest contests.
<http://mldxcc.org/scores.html>

UP-COMING DX and Dxpeditions
Click the link below to display up-coming Announced DXpeditions:
<http://www.ng3k.com/Misc/adxo.html>



OPDX Bulletin 1014
June 13, 2011

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 1014

BID: \$OPDX.1014

June 13, 2011

Editor Tedd Mirgliotta, KB8NW

Provided by BARF80.ORG (Cleveland, Ohio)

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association,

2M, SCOTLAND (Satellite Op)

Paul, 2E1EUB, will once again be active as 2M1EUB starting July 2nd, for two weeks (depending on the WX). He states that he will be operating from the van again and activating some rare new grid squares. Activity will be from the islands of Harris and Lewis (These islands are located off the coast of western Scotland). Most of the operations will be on the AO-7 bird. Paul states that he will be mobile all over northern Scotland and on the Island of Skye. Watch QRZ.com for updates, as well as the AMSAT BB mailing list. A new QSL card will be printed.

3D2/R, ROTUMA

The following press release was sent out by Hrane, YT1AD, on June 8th (edited):

"DXpedition to Rotuma as 3D2R -- After many months of careful planning, we are pleased to announce our DXpedition to Rotuma- 3D2R with a large multi-national DXpedition Team. Rotuma is located in the South Pacific Ocean and is #32 on Club Log's most wanted DXCC list.

Hrane Milosevic, YT1AD, has recently visited Fiji and has obtained the license of 3D2R and a landing permit. We have received the Rotuma Island Council's official approval as well as from the Prime Minister's Office.

The team of 19 operators will meet in Fiji on September 24th, and sail to Rotuma with an arrival slated for September 27th. We will be active on all bands and modes from September 27th to October 7th, 2011.

We will focus on the low bands at this time of the year and will make every effort to satisfy the needs of EU operators.

At this time, we are seeking Foundation, Club and Individual Sponsors to help us defray the

costs of carrying out this DXpedition. Our official website is:

<http://www.yt1ad.info/3d2r/index.html>
.... 3D2R Team"

3XY, GUINEA

Operators Georg/DK7LX, Wolf/DL4WK, Sigi/DL7DF, Frank/DL7UFR, Jan/SP3CYY and Leszek/SP3DOI will be active as 3XY1D from Guinea between October 18th and November 1st. Activity will be on 160-6 meters using CW, SSB and the Digital modes. They plan to have several stations on the air using 5 transceivers (4 x K2, 1 x IC7000), 4 x kW linears, 2 x 18m Lowband Verticals, a 2 element vertical for 40m, a 2 element vertical for 30m, a vertical R7 for 40/30/20/17/15/12/10m, 2 Spiderbeams for 20/17/ 15/12/10m, a 5 element Yagi for 6m and some Beverage antennas. One station will be exclusively dedicated to RTTY, PSK31 and SSTV. QSL via DL7DF, direct or by the Bureau. For more details and updates, visit:

<http://www.dl7df.com/3xy1d/index.html>

5W, SAMOA (6m EME Op)

Lance, W7GJ, plans to be active as 5W0GJ from the northeast corner of Savai'i Island (Grid AH36un), Samoa, on a 6 meter EME DXpedition during the final week of August. He reports that license and airline tickets are now in hand. Operations will take place between August 23-31st. QSL direct to W7GJ. Complete details and schedule of operation is available at:

<http://www.bigskyspaces.com/w7gj/Samoa2011.htm>

7Q, MALAWAI

Malcolm, GM3TAL, will be active as 7Q7MH during July as part of the "Explorer Scouts" that will go on a "Scottish Scout New Horizons Expedition" and will also be carrying out practical development work at the Malawi National Scout Campsite near Zomba. Although this is not a "DXpedition", look for activity on the upper HF bands (and possibly 6 meters), using CW and SSB. This will be a month long "field day" operation under canvas no towers or

comfy resort style shacks and no Internet! More details are expected soon on:

<http://www.7q7mh.org>

8J1, JAPAN (Date Correction)

Members of the Japan A1 Club will activate the following special callsign until November 30th (not December 31st as reported in [OPDX.1013](#)): 8J1MORSE, 8J1MORSE/2, 8J1MORSE/3,etc, according to the district from which they are active. Activity is to celebrate 220th anniversary of Samuel Morse's birthday. Operations will be mainly CW, with some SSB (to explain to novices how to join the CW community). Some special awards are also available too. QSL by the Bureau or direct (SAE+IRC) to: 8J1MORSE, 1-14-1-11-B Yoshino, Higashi-ku, Nagoya, 461-0027, JAPAN. Logs will be uploaded to LoTW as well. For more details, the English rules and information are available at:

<http://8j1morse.altokai.net> -or-
<http://8j1morse.blogspot.com>

DXCC NEWS

Bill Moore, NC1L, Awards Branch Manager, reports that the following are approved for DXCC credit:

TJ9PF Cameroon; 2011 Operation. Special Note: "We have been notified that the TJ9PF QSL labels have been printed with the year 2001 instead of 2011. This is a known software bug that has been fixed. Regardless, we do not believe the integrity of the TJ9PF logs or operation are affected by this printing error. Also, the TJ9PF logs have now been uploaded to LoTW, providing a primary source of QSO confirmations. We will add instructions to the DXCC system internally to note this operation's correct year. No one wants to promote the wasting of resources to reprint labels or cards, or to require resending of cards to fix an error which has little effect on the program. DXCC will accept TJ9PF QSLs showing the date as 2001.

VK0KEV Macquarie Island; 2011 Operation. If you've had this operation rejected in a recent

application please send a note to dxcc@arrl.org. You can verify the update to your record either by checking your LoTW account, or, you'll see a change in the live daily listing on the DXCC web site.

E51, SOUTH COOK ISLANDS (E51AAO operation)

Bruce, ZL1AAO, informs OPDX (edited): "I am preparing for some part-time DX operation/holiday-style from **Rarotonga (OC-013)**, Cook Islands. The above callsign is available and has been promised to me (Pick up the license on arrival). I will be promoting my activity through DX groups and local radio clubs/groups. I will be on the island for 10 days from August 19-28th. The property I am staying at is located on Muri beach, a popular resort area. It will be our first visit to Rarotonga, so the usual tourist activities will be on the agenda with radio number two on my itinerary. Anyone who has been there before and can give helpful advice will be much appreciated. E-mail me at: bruce.steel@paradise.net.nz"

EF8, CANARY ISLANDS

Look for EF8M from Santa Maria de Guia, Las Palmas Gran Canaria (AF-004, DIE S-005, WLOTA L 0969), to be on the air during the RSGB IOTA Contest (July 30-31st) as a Multi-Op/All-Band/High-Power entry. Operators mentioned are Valery/RD3A, Juan/EA8CAC and Alex/UA5C. QSL via UA3DX.

FS, FRENCH ST. MARTIN (Attempt #2 - Refer to [OPDX.1013](#))

John, K9EL, will once again be active as FS/K9EL from French St. Martin (NA-105, DIFO FS-001, WLOTA 0383, Grid Loc. FK88) between June 20th and July 3rd. The first week will be limited due to family vacation, but the second week will be devoted to operating. John will be using an IC7000 and verticals for 80-10 meters and a 3 element yagi for 6m. He will be operating on CW, SSB and some RTTY. QSL via his home callsign. LoTW updates will be done upon his return home. John may do some

6m operations from PJ7 depending on demand and conditions.

GJ, JERSEY

Members of the Bristol Contest Group will be active as GJ6YB/P from **Jersey (EU-013)** between June 17-19th. Activity will be during the IARU 50MHz Contest. Operators mentioned are Robin/G3TKF, Pete/G4CLA, Matt/M0MAT, Alan/G3XSV, Steve/G3ZVW, Neil/EI3JE, Andy/M1EBV, Geoff/G4FKA and Ian/G4FSU. QSL via G3SWH. For more details, see the Bristol Contest Group Web page at:

<http://gj6yb.org>

HB0, LIECHTENSTEIN

Operators Matthias/DL4ML, Jochen/DG1SFJ, Guenther/ DJ8KI and Manfred/DL4MP will be active as HB0/homecall from Liechtenstein between June 18-21st. Activity will be on all HF bands including 30/17/12m, and also on 6 and 2 meters during Sporadic E propagation. Their location is near Steg at 1400m ASL (Grid Loc. JN47tc). QSL via their home call signs, by the Bureau or direct using the ORZ.com address.

IOTA DXPEDITION (Reminder)

Just a reminder that the MS0INT Team (Col/MM0NDX [team leader], Christian/EA3NT, Ramon/EA3OR, Raul/EA5KA, Stan/ EI6DX, Vincent/F4BKV and Simon/IZ7ATN] will activate IOTAs **EU-010, EU-059 and EU-111** between June 14-20th. See OPDX.1011 for details. All QSL requests for MS0INT and MS0INT/p go via M0URX. All QSL requests for MM/(homecall) are via RX3RC. For updates and more details, watch:

<http://ms0int.com>

IOTA NEWS

AS-066. Members of the Vladivostok Contest Club will be active as RW0MM/p from **Reyneke Island** during the RSGB IOTA Contest (July 30-31st) as a Multi-Op/Island/DXpedition entry. QSL via RW0MM.

EU-007. Operators Adam/EI5JQ, Bronel/EI4JZ, Ark/EI9KC and Jerzy/SQ7JT will be active as EJ0PL from **Great Blasket Island** during the

RSGB IOTA Contest (July 30-31st). QSL via EI5JQ.

EU-010. Bob, G0BUX, will be active as GM0BUX/P from North **Uist Island** between now and June 17th. Activity will be on the HF bands using CW, SSB and PSK31. QSL via his home call sign.

EU-017. Alex, IK8YFU, will be active as ID9/IK8YFU from **Stromboli Island** between July 23-30th. Activity will be on 40-6 meters. QSL via IK8YFU. Logs will be uploaded to LoTW.

EU-052. A multi-team of 7 experienced operators will be active as J48O from the very rare **Othonoi Islet** (GIOTA INS-045) between June 17-25th. Activity will also include operations from the Kastri Lighthouse (9 days at Lighthouse) on the island. They plan to set up 5 stations on the island. Activity will be on 160-2 meters using CW, SSB and the Digital modes (RTTY/PSK). Focus on 6 meters for intercontinental QSOs using 2 different directional antennas and also on 2 meters with a 8 element QUAD and 11 element yagi. Operators mentioned are Giannis/SV2FPU (Team leader and QSL Manager), Thomas/SV2CLJ, Savas/SV2AEL, Giannis (John)/SV2HXV, Marios/SV2HXR, Dimitris/SV2YC and Andy/ IK0EFR. Suggested frequencies are:

CW - 1823, 3503, 7003, 10105, 14003, 18073, 21003, 24893, 28003, 50093 and 144053 kHz
SSB - 1843, 3799, 7060/7160, 14260, 18160, 21260, 24960, 28460, 50160 and 144303 kHz
DIGI - 1841, 3581, 7041, 10141, 14081, 18101, 21081, 24921, 28111, 50201 and 144138 kHz
For more details, visit the J48O Web site at:

<http://www.j48o.com>

For further information about "Greek Islands On The Air" - the GIOTA Web page is at:

<http://www.greekiota.gr>

EU-170. Operators Ivo/9A1AA, 9A3BMR, Alen/9A3MA, Rolando/9A3MR and Zrinko/DK8ZZ will be active as 9A1CKL from **Zirje Island** during the RSGB IOTA Contest

(July 30-31st) as a Multi-Op entry. QSL via DK8ZZ direct.

EU-170. Daniel, DK3CH, will be active as 9A/DK3CH from **Dugi Otok Island** between July 28th and August 10th. Activity will include the RSGB IOTA Contest (July 30-31st). QSL via his home call sign.

NA-009. NA-009. Sarah, NQ6K, is expected/planning to be active as NQ6K/VY0 from **Devon Island** (with possible side trips to Beechy and Cornwallis Island) while working there for NASA for three weeks beginning late June/early July. Devon Island is the world's largest uninhabited island, roughly the size of Vermont (and Scotland). She is a veteran of three scientific expeditions there in 2008, 2009 and 2010, and has done some emergency communications there, but has not operated on HF from there yet! See her detailed Web page at:

http://findatlantis.com/wiki/index.php/Devon_Island_2011_DXpedition

NA-193. Operators John/VE8EV and Gerry/VE8GER will be active as XK1T from **Tent Island**, Yukon (new one for CISA) between June 15-19th. Activity will be mostly SSB on 20 meters but some operations on CW and satellite are also likely. Also, some operations may take place on 30/17/15m. QSL via VE8EV. For updates, watch John's Blog page at:

<http://ve8ev.blogspot.com>

OC-142. Operators Andrew/VK4NM and Peter/VK4LAT will be active as VK4MM/P from **Fraser Island**, Queensland, Australia, between July 29th and August 1st. Activity will include the RSGB IOTA Contest (July 30-31st). QSL via M0OXO direct.

OC-156. Dmitriy, RW6AML, will be active as 3D2ML from **Waya Island**, Fiji, between July 6-17th. Activity will be on the HF bands using CW and SSB. QSL via his home callsign.

K8CX'S 2011 DAYTON HAMVENTION PHOTO GALLERY

Tom's, K8CX, 2011 Dayton Photo Gallery is now up at: <http://hamgallery.com/dayton2011/>

This is Tom's 15th consecutive year for the gallery, and it contains 254 photos taken at Crowne Plaza at various events and hospitality suites. You may submit your own Dayton photos to be included in this gallery. Please read the guidelines listed on the top of the gallery page. There is also an interesting Dayton Hamvention history link on top of this page.

KH6BZF PROPAGATION FORECAST/REPORT (June 13-19th)

Jun 13	HN	SOLAR
REFERENCE KEYS		
Jun 14	AN	-----

Jun 15	AN	BN - Below Normal
Jun 16	AN	AN - Above Normal/Geomagnetic Level is QUIET
Jun 17	AN	LN - Low Normal
Jun 18	AN	HN - High Normal/Geomagnetic Level is UNSETTLED
Jun 19	AN	DIS - Disturbed
		VDIS - Very Disturbed

GEOMAGNETIC REFERENCE

QUIET - The "A" index is expected to be between 0-7 and the "K" index will be 2 or less
UNSETTLED - The "A" index is expected to be between 7-16 and "K" index will be 3 or less

LJ2, NORWAY

Members of the "Veteran Club of the Signals Soldiers of the Norwegian Armed Forces" will activate the historical callsign LJ2T again from "The Signals Museum of the Norwegian Armed Forces" near Lillehammer between June 30th and July 3rd. Activity will be on all bands between 160m and 70cm using CW, SSB, FM and the Digital modes. Like last year, there are plans for activity on 4 meters (70 MHz) from this QTH locator JP51ED. QSL via LA5EAA. For more info, see:

<http://www.qrz.com/db/LJ2T>

MU, GUERNSEY

Members of the Dutch Contest and Expedition team (PA6Z) will be active as MU/PA6Z from **Guernsey (EU-114)** between October 23-30th. Activity will be on 160-6 meters using CW and SSB. Operators mentioned are Marcel/PA9M, Frank/PA4N, Jelmer/PA5R, Dervin/PD9DX, Arbo/PH0AS, Arend/PA2AWU and Dick PA4VHF. QSL via PA9M, direct or by the Bureau.

OJ0, MARKET REEF

After the activity by the OJ0B team this past weekend, look for Harri, OH6VM/OH0VM, one of the lighthouse keepers, to follow the OJ0B group for another week as OJ0VM using the beam that the OJ0B team installed. QSL OJ0B via OH2BH and OJ0VM via OH6VM. See pictures of the lighthouse and beam on QRZ.com (under OJ0VM).

PY0F, FERNANDO DE NORONHA

Marcelo, PY2FN, will be active as PY0FO from **Fernando de Noronha (SA-003)** between July 2-9th. Activity will be on 160-6 meters CW only. Suggested frequencies are: 1814, 3514, 7014, 10114, 14014, 18084, 21014, 24894, 28014 and 50094 kHz. QSL via his home callsign, direct or by the Bureau. Logs will be uploaded to LoTW. Visit Marcelo's Web site at:

<http://www.py0fo.com.br>

QSL INFO AND NEWS

QSL-INFO from DB0SDX (dated June 12th)

5T0JL via ON8RA GB50VE via G3VER
R3XX/3 via RW3XZ A4100 via NI5DX
GX0SCR/P via G4APL SD7SUB via SM7EYO
AJ2L/KH2 via JI3QBQ GX4HRC/A via G3SVK
SM/DL1RNV via DL1RNV AY5F via LU5FC
GX4KPT/P via MODOL
SM/OH5LID via OH5LID BD7ANX via BA4EG
HF25BPK via SP7PCZ SN0WFF via SP5X
CN2RN via F8FGU HP1/IQ6CC via IZ4SUC
SN10ISO via SP9KJU
DL/SQ5AWR via SQ5AWR
IA5/IZ5HSHK via IZ5HSHK

SV0XCC/9 via LZ1YE DW8BXU via JF1LZQ
IQ9UM via IT9UMH (direct/eQSL.cc)
SV1/LZ1JZ via LZ1JZ
EA6/DK5IR via DK5IR
IS0/IT9HUV via IT9DQM
SV8/DK3SJ/P via DK3SJ
EE5CYI via EC5CYI
KH2/JF2CRP via JF2CRP
TK/DC3VW via DC3VW
EE5DM via EA5DM LZ20HR via LZ1YE
TK/DC3WP via DC3WP EE5FL via EA5FL
LZ1016WIW via LZ1KZA TM2RHC via F4EUN
EE5HAB via EA5HAB M0/RK3DT via RK3DT
TM5BBC via F2UW EE5KB via EA5KB
MS0RSD via M0URX UQ40I via UN7IT
EE7E via EA7IZJ MW0OXO/P via M3ZYZ
UR4MKY via UR9MC EG1DN via EB1CAM
OJ0VM via OH6VM UV0I via UR5IFX
EG5FUV via EA5KB OK1KIG via OK1AR
V47DA via DL1DA EG7YFI via EA7NL
ON1815NAP via ON4CMR
VE7/K6VVA via N6AWD EG8LP via
EA8URL OZ1GML via OZ1GML (direct)
VK2HSL/BV2 via VK2HSL
EH1EPC via EC1AAC OZ1RDP via
DL9BCP VR2KF via JH10GX
EM7MFF via US1MM PA05FOX via
PD1WAT W2W via K3NEM EM44U via
UT7UT
PA99RD via PA-Bureau XE2S via
WD9EWK
F/DF3FS via DF3FS PY6/PY1JR via
PU1KGG YT0EPC via YT7WA
QSL KH6BB via K1EA/KH6. Activity from
the DD-6 USS Missouri Battleship.

QSL OJ0B via OH2BH. Operators Martti/OH2BH, Pertti/OH2PM and Pekka/OH2TA were active this past weekend for three days to finalize the semi-permanent antenna installation and to test Market Reef's new power plant.

QSL RECEIVED VIA LoTW: 6V6U, DK2OY, EA1DR, EI4HQ, OE6MBG, PJ4/K4IQJ, PJ4A, II9T, J39BS, JS2LGN, PY2MTS, TJ9PF, V44KAI, VP8ORK, VY2TT, XE2S, YV200D and ZA1A

QSLs RECEIVED VIA MAIL: 3D2DX, 4A4A, 5R8HL, 9H1PS, 9N7DX, 9Y4D, AH0/AB2RF, C56FR, CE2/CX1EK, EX2F, HV4NAC, J7A, KH8/AI5P, MJ/K3PLV, P29TL, S51V, S9DX, SM3EVR, SV5/G0SGB/p, UK8GKW, UK8QQ, UK8VA,

VP8ORK, VU4PB, XU7ZDLH, ZD7FT and ZS8M

**QSLs RECEIVED VIA THE BUREAU:
4T0I, 6V7O, CU3CC, DP1POL, FY/IW1BND,
VP8YLE and Z21LS**

ST0, SOUTHERN SUDAN

The following press release (Bulletin #3) was sent out on June 6th (edited): "DXpedition to Southern Sudan -- The Intrepid-DX Group and the DX Friends/Tifariti Gang continues to move forward with our plans to activate the new country of Southern Sudan with a large multi-national DXpedition.

We have held several successful meetings with representatives of the Government of Southern Sudan. We have been issued an amateur radio license for the purpose of this DXpedition. The Government of South Sudan is very supportive of our plans to visit Juba and to help them celebrate the birth of their new country.

The Government of South Sudan will declare their independence from Sudan on July 9th, 2011. They have applied to the UN for admission as a member state. The UN General Assembly and Security Council will vote on the matter in the weeks following the declaration of independence.

While there have been attacks and fighting in the disputed border region of Abyei, these issues are not expected to derail the emergence of this new country.

We plan to be in the new capital of Juba and to be ready to start our DXpedition upon admission by the UN. We will have 18 operators operating 24X7 on seven active stations.

At this time, we are seeking Foundation, Club and Individual Sponsors to help us defray the costs of carrying out this DXpedition. Our official website is

<http://www.dxfriends.com/SouthernSudan2011/>

Thank you,
The Intrepid-DX Group and The DX Friends.

<http://www.dxfriends.com/>
<http://www.intrepid-dx.com/> "

T8, PALAU

Nao, JK1FNL, will once again be active as T88NA from **Palau (OC-009)** between June 18-20th. QSL via his home callsign.

TO5, MARTINIQUE (NA-107)

Al, F5VHJ, will once again be active as TO5A, during the CQWW DX SSB Contest (October 29-30th) as a Single-Op/All-Band/ High-Power entry. QSL via F5VHJ, direct or by the Bureau. Logs will be uploaded to LoTW.

ZC4, U.K. SOV. BASE AREAS ON CYPRUS

Reports indicate that Mike, KF6RCP, is currently on holiday/vacation on the U.K. Sovereign Base Areas on Cyprus and is active as ZC4MIS for the next four months. Activity is mainly on the beach using a FT-817ND with a LDG Z817 tuner and a Buddistick. His operations will be mainly on 20 meters using SSB and the Digital modes PSK31 and JT65. See his set up on QRZ.com. Skeds are available by E-mailing him at: kf6rcp@gmail.com QSL via KF6RCP. QSL also via LoTW or eQSL.

ZD7, ST. HELENA

Nigel, G3TXF, will be active as ZD7XF from **St. Helena (AF-022)** between June 22-30th. Activity will be from the QTH of Barrie, ZD7MY, which is at 1200 ft. ASL and has an excellent take-off to the north. Operations will be mainly on the HF bands using CW. Nigel plans to take antennas for 160/80m as well as for 6m. QSL via his home callsign. Nigel mentions that there will not be any Internet access in the shack (nor is there any mobile phone service on the island). However, logs will be uploaded to both LoTW and ClubLog whenever practical. For more details on Nigel's ZD7XF operation, visit his Web page at:

<http://www.g3txf.com/dxtrip/ZD7XF/ZD7.html>

ZL8X DXPEDITION BOOK AVAILABLE

It was announced this past week that a ZL8X book is available and it is a "must for every serious DXer who wants to see more details about ZL8X operation from down under, from the Kermadec Islands. This unique photo book contains a bunch of pictures from the beginning of the adventure till the last sunset. It also includes a detailed map of their camps and over 140 colorful pictures. For more details, go to:

<http://www.kermadec.de/fotobook/index.php>

ADDED UPDATES: For more details about the ZL8X:

- * Status of QSL card mailing
- * DXpedition Of The Year
- * Presentation in Friedrichshafen

See the Web page at:

<http://www.kermadec.de>

The K7RA Solar Update

Although higher early in the reporting week, the average daily sunspot numbers declined more than 4 points to 85.7, while the average of daily solar flux numbers were down 1.5 points to 101.6 when compared to the previous week, May 26-June 1. Sunspot numbers for June 2-8 were 118, 122, 116, 74, 67, 58 and 45, with a mean of 85.7. The 10.7 cm flux was 111.6, 107.1, 102.8, 102.9, 100.2, 96.4 and 90.2, with a mean of 101.6. The estimated planetary A indices were 8, 4, 15, 27, 7, 9 and 14, with a mean of 12. The estimated mid-latitude A indices were 6, 3, 11, 20, 5, 8 and 9, with a mean of 8.9.

The predicted solar flux for the near term is 88 on June 10-13, then 86, 84, 84, 88, 95 on June 14-18, then 92 on June 19-21, 95, then 100 on June 22-23 and 110 on June 24-26. The solar flux then rises to a peak of 115 on June 28. The predicted planetary A index is 25, 12, 8 and 8 on June 10-13, then 5 on June 14-22, then peaks at 15 on June 24-25. Geophysical Institute Prague predicts unsettled to active conditions June 10, unsettled June 11, quiet to unsettled June 12-13,

unsettled June 14, quiet to unsettled June 15 and quiet conditions June 16.

On June 3, there were eight sunspot groups facing Earth, numbered consecutively 1225-1232. Then on June 5, groups 1225, 1229, 1230 and 1231 disappeared and new group 1233 emerged. On June 7, 1233 disappeared and on June 9, 1226 left us and new group 1234 appeared.

Scott Bidstrup, TI3/W7RI, sent a [link](#) to some fantastic HD videos of solar eruptions.

If you check [here](#) on page 14 and compare it with page 15 [here](#), you can see that some reported and predicted smoothed sunspot numbers have changed over the last month. The smoothed sunspot numbers for December 2010-November 2011 have each gone down 1 or 2 points. The numbers are smoothed over a year, so the current month would average actual data that has already been measured for about the past six months, with about six months of data predicted into the future.

All times listed are UTC, unless otherwise noted.

Amateur solar observer Tad Cook, K7RA, of Seattle, Washington, provides this weekly report on solar conditions and propagation. This report also is available via WIAW every Friday, and an abbreviated version appears each Thursday in [The ARRL Letter](#). You can find a guide to articles and programs concerning propagation [here](#). Check [here](#) and [here](#) for a detailed explanation of the numbers used in this bulletin. An archive of past propagation bulletins can be found [here](#). You can find monthly propagation charts between four USA regions and 12 overseas locations [here](#). Readers may contact the author via [e-mail](#).

UP-COMING CONTESTS (complete)

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

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

All Asian DX Contest, CW	0000Z, Jun 18 to 2400Z, Jun 19
+ Kid's Day Contest	1800Z-2359Z, Jun 18
Feld Hell Sprint	2000Z-2200Z, Jun 18
ARRL Field Day	1800Z, Jun 25 to 2100Z, Jun 26

July 2011

RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ 10-10 Int. Spirit of 76 QSO Party	0001Z, Jul 4 to 2400Z, Jul 10
IARU HF World Championship	1200Z, Jul 9 to 1200Z, Jul 10
Feld Hell Sprint	1600Z-1800Z, Jul 16
+ CQ Worldwide VHF Contest	1800Z, Jul 16 to 2100Z, Jul 17
North American QSO Party, RTTY	1800Z, Jul 16 to 0600Z, Jul 17
NCCC Sprint Ladder	0230Z-0300Z, Jul 22
+ US Counties QSO Party	1200Z, Jul 30 to 0600Z, Jul 31 and 1200Z-2359Z, Jul 31

The MLDXCC NEWSLETTER

Information may be reproduced provided credit is given MLDXCC.

2011 Meeting Dates:

May 21 (Valley Springs)

June 18

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See the W6 Bureau-home.