

The Nugget



Mother Lode DX/Contest Club

The Newsletter of the Mother Lode DX/Contest Club

MEETING DATE, LOCATION & PROGRAM

When: Our last meeting was **Saturday, August 13th** 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: California QSO Party presentation by Rick, N6RNO.

2011 Meeting Dates:

September 10 (Shingle Springs)

October 16

November 12

Below are a few shots taken at our July meeting:



VP8ORK presentation by Tom Berson/ND2T



FROM THE PREZ:

I thoroughly enjoyed the VP8ORK presentation by Tom Berson/ND2T at the MLDXCC/NCCC joint meeting. The meeting was extremely successful and I'd like to thank all who attended. I do not have the attendance count but we pretty well filled the room. Thanks also go out to Ken/K6TA for booking our speaker, Carolyn/K6TKD and Kay/K6KO for managing the ticket and financials of the meeting, Bob/W1RH for providing the audio visual equipment, and Dana/N6DW for being the driving force that made things come together.

In the month of July ham radio was very good to me. I was able to get 2 new countries (Jan Mayen/JX5O and South Sudan/ST0R). I'll keep plugging away and perhaps I may someday make the Honor Roll. I just need a lot of DXpeditions to go to the southern Indian Ocean.

We need to take action on the request from Paul N6PSE for fiscal support of the South Sudan DXpedition at our upcoming Aug 13 meeting. Perhaps we can get him to give us a South Sudan presentation at next year's joint meeting.

CQP is now less than 2 months away! We need to get focused once again and defend our

title. Everyone should be making plans and conducting station tests so that we can bring our "A" game to the CQP.

73 de AA6K
Shirley

The CW OPEN: What's the story? By: Alan, AD6E; and Rob, K6RB

Almost from the time CWops was first launched, we had an on-air event (mini-CWT) that continues to grow in popularity. People like it because it's short, it's fun, and it's simple. Even seasoned contest pros, like Ken, N6RO, and John, K4BAI, are frequent players in the now bi-monthly events.

But, also from the beginning, we were mulling over the idea of an annual (or semi-annual?) event that was more like a CQ WW, that would be electronically scored and stringently judged, and would provide nice awards to the winners.

We also wanted whatever we conjured up to be truly different than anything else out there. It had to meet several criteria: it had to be global; it had to be distinctive in at least one aspect; and it had to be structured in such a way that it would appeal to casual testers, serious testers, and even those who don't often participate in contests.

In addition, we wanted it to be an "open" contest where points and multipliers were not tied to what country you were in or what band you were on; and we wanted the exchange to be simple enough so that even someone who bumps into the event on the same day could figure out what to send.

And, finally, we wanted to try to create as level a playing field as we could so that no matter

where you were – ITU region 1, 2 or 3 – you would have as good a chance as anyone else if you wanted to take a serious shot at the brass ring.

Presenting the CW OPEN

Ideas flew back and forth and began to coalesce around a concept – the CW OPEN. To try and ensure that no region was at a distinct advantage or disadvantage, we had to schedule it over a 24-hour cycle. After all, the planet does a full rotation every 24 hours, so every region has a number of hours that are optimal for either high band or low band propagation. To make sure that a ham sitting on a rare exotic island off the coast of South America or Africa could not pile up scores that made a ham in Missouri feel like a loser, we decided to score 1 point per QSO – any QSO, anywhere – and 1 multiplier the first time you work a station – any station, anywhere.

Think about it. If WIRM works 100 different EU stations on 20 m, and K6RB works 100 different CA stations on 40 m, our scores would both be 10,000 points. Wow, what a concept! That means that stations with multiple towers, full-legal amps, and monster yagis will have an advantage – but nothing like the advantage they have in CQ WW or ARRL DX.

Okay, so we solved the inclusiveness part of the challenge. What about appealing to serious, casual, and almost-never contesters? We made the exchange very easy. It's "serial number" and "name." For those who are unfamiliar with the "serial number," it is simply a number starting with 1 that increments by 1 with each new QSO. So, with the first QSO, you send "1 JOE ." With the second, you send "2 JOE." And, so on.

Finally, contests are judged by the number of participants they attract. CQ WW CW literally dominates the CW bands for an entire weekend. But, for those who are not prepared to put in 30 hours or more, your score will certainly not be in contention. We wanted people who could only put in a few hours to feel like they had a real chance at winning something. So, instead of one contest that starts at say, 0000Z, and continues for a day or more, with scores that continue to grow throughout the time period, CW OPEN is actually three separate contests – each one 4 hours long. Each begins with 0 points and 0 multipliers. So, you could do just one 4 hour stint and stand a good chance of winning that event. You could do all three and have a chance at winning any or all of them. And, if you do participate in more than one, your scores are aggregated and you are in contention for the "aggregate" category as well as the individual event.

We wanted to keep things simple, so we decided to eschew multiple operator categories for now. Therefore, all entrants are single operator. And, because of the way the contest is scored, you could win a 4-hour event with a single-band effort, so stations that cannot work six bands have a real chance, here.

Ok, enough, here are the details:

CW OPEN's first event starts at 1200Z and ends at 1600Z on August 20. The second event starts at 2000Z and ends at 2400Z on August 20. And, the third event starts at 0400Z and ends at 0800Z on August 21.

At the beginning of each event, all participants start with 0 points and 0 multipliers. Your score at the end of that time period is your score for

that event. You can participate in one, two or all three.

In each one, you work a station once on any band. So, you could work someone six times in each event – or 18 times if you both operate in all three. That means that over that 24 hour cycle, you should have plenty of stations to work.

For each QSO you receive 1 point. The first time you work that station, you receive 1 multiplier. The score at the end is points x multipliers. For example, if N3JT works me 6 times (once on each band), his score for that effort is 6 points x 1 multiplier, or 6. If N3AM works K6RB, W1RM, K4BAI, KR3E, ZS1EL and JA1NUT all on 20 m, his score for that effort would be 6 points x 6 multipliers or 36. Clearly, there's more of an advantage in working lots of different stations than there is in working the same one on six different bands. However, by the end of the 4-hour period, you will be looking for lots of points, regardless of multipliers. And, because any QSO offers a point and a potential multiplier, no matter where he/she is, you could earn an enviable score running QRP and working lots of close-in stations.

What does the “cognoscenti” think?

Before we went too far down this road, we took a break, and shared the details with a few well-known contesters, including one who has “invented” an innovative contest himself. The verdict was unanimous – everyone thought it was a winner.

We first introduced CW OPEN in April at the International DX Convention in Visalia California. Both of us (Alan and Rob) had a chance to describe the concept. Rob did so at his

presentation during the Contest Academy; and Alan introduced the idea at the contesters' dinner that same night. Sean Kutzko, KX9X, who heads up the contest section at QST was given the early details and gave it his thumbs up.

What can you do?

The biggest thing each one of you can do is to participate in at least one CW OPEN event, and, if possible, two or all three. The more stations that participate, the more fun it is for everyone, and the more successful the event will be. So, make a note of it, now. And, be prepared for a lot of excitement.

The other thing you can do is if you are a member of another radio club, let them know about CW OPEN. Point them to the URL – www.cwops.org/cwopen.html. Explain about the unique concept – three contests over a 24-hour period. Each one is separately scored and judged. Points and multipliers are not weighted toward geographies – you get the highest score by working a lot of people, no matter where they are.

If you are a member of a contest club – YCCC, PVRC, NCCC, SCCC, SMC, FCG – let them know about it. Write something on the reflector or submit a note for the newsletter. The more hams who know about CW OPEN, the more hams that will show up on August 20 and 21.

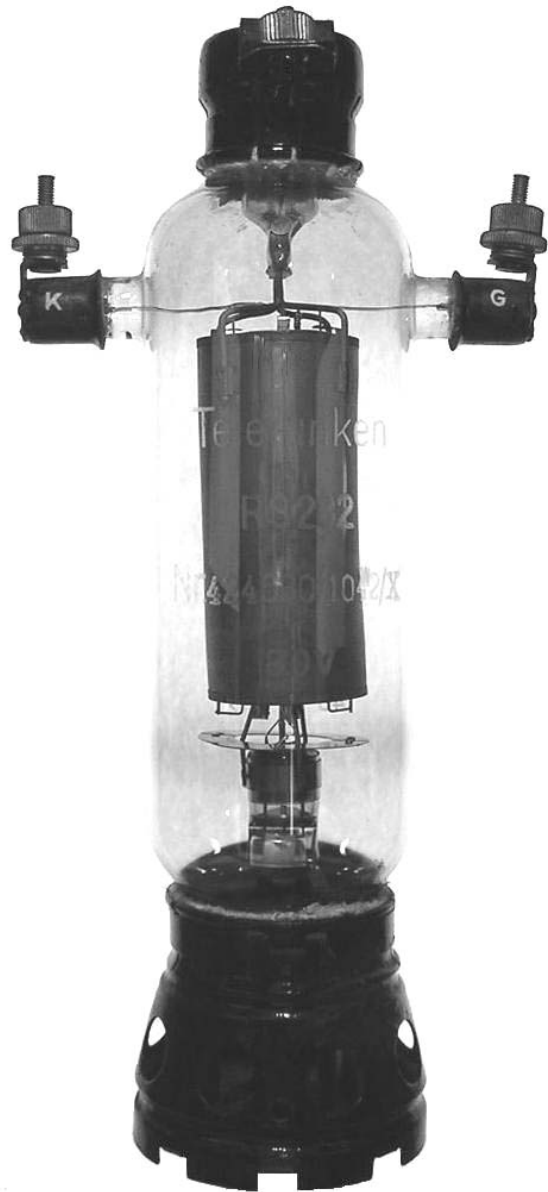
Tube of the Month de Norm, N6JV

Das Kurzwellen-Senderöhre, RS282

Many of the tubes that were made in the United States had common construction practices. If you needed an audio tube you might take a commercial transmitting tube of the same wattage and change the grid for audio. In Europe and in particular Germany, tubes or röhre had a different evolution. German Engineers who were building equipment for the military were interested in performance in military applications.

The RS282 made by Telefunken is a WWII classic. This 100-watt transmitting tube is known as the kreuz or cross tube has an aluminum base, sockets instead of pins, asbestos insulation on the base and anode and “K” for Kathode and “G” for grid on the arms. A must for tube collectors, the RS282 has doubled its sale value in the last few years. This example is marked 1942 for the “Wehrmacht” and has the classic swastika and eagle. For its size it isn't very powerful but the short-wave transmitting tube, RS282 is one of the best-known military tubes of the war.

More photos at <http://n6jv.com>.



Norm N6JV

Editor's Notes de Rick, W6SR

Well I'm sure it's no surprise that our July MLDXCC/NCCC meeting's program was outstanding. Congrats to our VP for giving us something special for the joint meeting, Tom did a great job. Karen was with me and she enjoyed

it as well, not excusing herself once for a potty/boredom break. It's always fun to chat with our friends even though we only see em' a few times a year.

Like most of you I struggled through the lousy conditions and summer noise, trying to work the ST0R guys on as many bands as I could. I am in the log on 15, 17, 20 & 30, but I swear I got my call and worked em' on 40M on 8/3 at 03:51Z. I will send them some info. about the time and band and see if they broke my call or if I just worked SLIM again, HI HI

Other than that it's been poor pickings on the HF bands and 6M has not produced anything to write home about either.

I did get a new computer and have been involved in an adventure trying to make it respond to my commands.

The Icom PW-1 got a real work-out the past month chasing the ST0 from band to band, and mode to mode. It worked great and the totally automatic antenna changing is just one less thing to worry about.

And if all that was not easy enough, the rotor can be turned via N1MM or DX4Win as well. OK, I know what your thinking, he sure is getting lazy in his old age.

Enough for now, I will see ya' all at the next meeting. **de Rick, W6SR**

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

FYI - I worked the ST0 last night on 20 CW. Bombing in. Whoever the operator was, he knew me. Sent "HI KB". Might have been a YCCC guy or perhaps N6PSE.

I'll see if I have any input or pictures for the newsletter.

Bob, W1RH

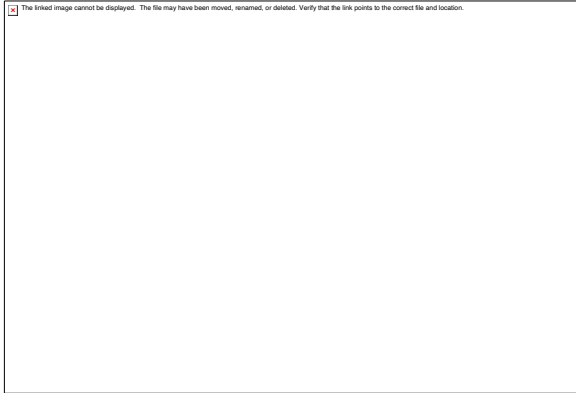
LFA PHASE TWO

The LFA was doing a good job, but when I was being heard well in Europe, I wasn't hearing them. Faraday rotation was being blamed for this. I proceeded to build an enhanced version of the LFA with full remote controlled rotation of the boom. After several mistakes, I was able to make it work. The basic antenna was never modified except for the routing of the coax and control cables.

In a horizontal antenna the cables and support structures including the mast are at right angles to the elements and don't affect the performance. When you rotate the boom into vertical, the mast and cables are in the near field. My fix was to route the cables off the back end of the boom and to add side guying to the boom using .75-fiberglass rod and Phillystran cable. I also added a counterweight opposite the aluminum vertical support.



The top 2 sections of mast tube were replaced by fiberglass. No interaction was noticed in testing.



With the easy parts completed, the rotation mechanism was started. Between the center of gravity point on the boom to the clamps holding the vertical support there is about 2 feet. The boom at this point is 2 inches in diameter. I bought a piece of 2.5 inch diameter heavy wall tubing made from 6061 T6 aluminum. The clearance between the OD of the boom and the ID of the larger tube was about .180. Short pieces of the larger tube were put into the lathe and the ID was enlarged about .010 so that a clearance of slightly larger than .188 was available for a bearing.

The bearings were made by placing twenty .188 and twenty .156 by 1 inch rods between the boom and the larger tube. If you put all .188 rods in the bearing, each rod would rub the adjacent rod because where they touch, they are going in opposite directions. The smaller rods act as idlers and help transfer rotation. The rods are prevented from moving by coupling sleeves made of UHMW (Ultra-High-Molecular-Weight Polyethylene) that couple the bearing ends to the main tube. They also make a good place to do heavy clamping to keep the structure from moving. A PVC coupling was enlarged to make the end-stops. The boom now rotated with little effort. As the larger tube doesn't move, the vertical positioner and its potentiometer must be clamped to it. To keep the assembly from moving during high vertical operation, two plastic washers were made to take the load from the support clamp.



After many failures, a suitable motor was found. It is a 90 volt DC motor with gear reduction that came from an old photo dryer and would operate at a slower speed with reduced voltage. A clamp to grip the boom was made from a piece of 3.5 X 3.5 X .50 aluminum. The plate was drilled in the center with a 2 inch hole and then cut in half to make an adjustable clamp held together with two long screws. A 4 inch chain sprocket had its bore drilled out to over 2 inches and attached to the clamp with 4 screws and spacers. Number 25 chain was run to the driver sprocket on the motor. An idler sprocket was added to keep tension. The rotation position is measured by a three turn potentiometer that is also driven off the motor but with a small timing belt. A length of rotor control cable carries the voltages for the motor and the rotation and vertical position potentiometers (8 wires).



The control for the rotation is done in a salvaged CDE rotor box. To get the required voltage (about 40 VDC), a small transformer was wound. The rotor box has a SPDT set of contacts on the spring-loaded switch, so only 2 wires could go to the motor. The AC from the transformer is fed to 2 power diodes and their filter capacitors. One diode is positive and the other negative with a common ground



MLDXCC MEETING –July 2011

Joint Meeting so no meeting notes taken.

MLDXCC MEETING –13 August 2011

Meeting was called to order at 12:15 PM PDST by President Shirley Rose AA6K.

Roll call of officers found only President Rose & Director Rich Cutler WC6H in attendance.

No minutes from joint meeting w/ NCCC in July. June minutes to be in upcoming ‘Nugget’.

Treasurer’s report: we are ‘solvent’.

September meeting to be at Colina del Oro in Shingle Springs. (add date ?) Rick W6SR to arrange with facility.

Accomplishments/announcements, etc. ;
 W6RFF certificate for 2010 IARU
 K6LRN RTTY DXCC
 K6QG has 10 gig mobile operational

Under new business Pres. Rose announced he would not be available next year.

There was discussion about California QSO Party prior to Rick N6RNO’s presentation on same.

Meeting was adjourned at 12:35 for Rick’s CQP presentation.

Counting the speaker & N6JV’s XYL, there were eleven people present.

P.S. Business not covered that, IMO, should have been...clarification of dues structure & budget.

Minutes **by Dick, K6LRN**

July 2011 Treasurer’s Report

Balance July 1, 2011: **\$1664.73**

Correction:
 After a careful accounting 25.12

Income: Joint Meeting
 14.00
 39.12

Expenses
 Donation Intrepid DX Group
 So. Sudan Exp. -200.00

Lunches for speaker and XYL
 At joint meeting -28.00

-\$228.00

Balance July 31, 2011: **\$1475.85**

Carolyn Wilson, K6TKD
Treasurer

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

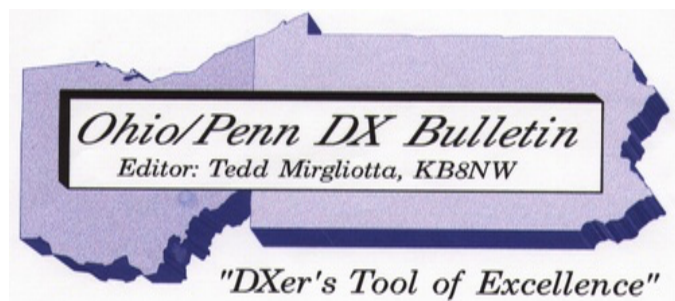
<http://mldxcc.org/scores.html>

UP-COMING DX and Dxpeditions

Click the link below to display up-coming

Announced DXpeditions:

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



OPDX Bulletin 1023

August 15, 2011

The Ohio/Penn Dx PacketCluster

DX Bulletin No. 1023

BID: \$OPDX.1023

August 15, 2011

Editor Tedd Mirgliotta, KB8NW

Provided by BARF80.ORG (Cleveland, Ohio)

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, AB5K & the AR TelNet Clusters Network, K1XN & GoList, NC1L, NJ1Q & ARRL DX, NG3K & ADXO, N4AA & QRZ DX, W5JON, KH6BZF, K8BL, K8YSE, W8GEX (60m News), A35A, AT International, CX3AL, DL1SBF, DG8KAD & The DX News Letter, DxCoffee.com, DX-World.Net, EI7CC, F6AJA & Les Nouvelles DX, HP1AC, I1JQJ/IK1ADH & 425 DX News, OZ6OM & 50 MHz DX News, Pete's-DX-Newsdesk, PY2XB, RSGB IOTA Web Site, TA1HZ, VA3RJ & ICPO, VHF-DX-Portal (MMMonVHF), YT3W and ZL2AL for the following DX information.

DXCC COUNTRY/ENTITY REPORT

According to the AR-Cluster Network for the week of Sunday, 7th-August, through Sunday,

14th-August there were 211 countries active. Countries available: 3A, 3B8, 3D2, 3V, 3W, 4J, 4L, 4O, 4S, 4X, 5B, 5H, 5N, 5R, 5T, 5V, 5Z, 6W, 6Y, 7Q, 7X, 8P, 8Q, 8R, 9A, 9G, 9H, 9J, 9K, 9M2, 9M6, 9Q, 9V, 9Y, A3, A4, A5, A6, A7, A9, AP, BV, BY, C3, C6, CE, CE0Y, CE9, CM, CN, CP, CT, CT3, CU, CX, D2, D4, DL, DU, E5/s, E7, EA, EA6, EA8, EA9, EI, EK, EP, ER, ES, ET, EU, EX, EY, EZ, F, FG, FK, FM, FO, FR, FY, G, GD, GI, GJ, GM, GU, GW, HA, HB, HB0, HC, HH, HI, HK, HK0/a, HL, HP, HR, HS, HV, HZ, I, IS, J6, J7, J8, JA, JD/o, JT, JW, JY, K, KG4, KH2, KH6, KH8, KL, KP2, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OH0, OJ0, OK, OM, ON, OX, OY, OZ, P2, P4, PA, PJ2, PJ4, PJ7, PY, PZ, R1FJ, S2, S5, S7, SM, SP, ST, ST0, SU, SV, SV5, SV9, T32, T7, TA, TF, TG, TI, TK, TL, TT, TU, TY, TZ, UA, UA2, UA9, UK, UN, UR, V2, V3, V4, V5, V6, V8, VE, VK, VP8, VP9, VR, VU, XE, XU, XX9, YA, YB, YI, YK, YL, YN, YO, YS, YU, YV, Z3, ZA, ZB, ZC4, ZD7, ZD8, ZF, ZL, ZP, ZS

* **PLEASE NOTE:** The report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "Work First Worry Later" (WFWL).

2 METER DXCC ACHIEVEMENT

Lee, ZL2AL, reports that Bob McQuarrie, ZL3TY, has just achieved the first and only 2 Meter DXCC in ZL and the Oceania region. Only 62 2M DXCCs have ever been awarded world-wide, so it is an amazing achievement to confirm 102 countries on this band from this part of the world. Lee had the pleasure of checking Bob's cards before submission and was astounded to see so many rare QSLs from AF and EU.

3D2R, ROTUMA

Excerpts from a press release from Acim, YT3W, informs OPDX that "a team of experienced amateurs and friends prepared a serious amateur expedition to the far island Rotuma, which belongs to the state Fiji". Their goal is to activate the beautiful island of Rotuma on all amateur frequencies from 1.8 MHz to 144

MHz and all amateur modes. Their team will operate on CW, SSB, FM, RTTY, SSTV, PSK, etc... Operators mentioned are: Hrane/YT1AD, David/K3LP, Krassimir/K1LZ, Aleksej/UA4HOX, Atilano/PY5EG, David/WD5COV, Vangelis/SV2BFN, Joe/AA4NN, Paul/N6PSE, Vel/YT3WW, Victor/UA4HBW, Victor/RU4SU, Chuck/JT1CO, Badruun/JT1DO, Danail/LZ1VVV, Choi/HL5FUA, Vasily/RW4NW and Acim/YT3W. They have the landing permit and the amateur radio license for the callsign 3D2R.

The team of experienced amateur and friends will gather in Fiji on September 24th, and expect a departure from the port of Suva on the 25th of September around noon. The journey takes 36 hours. They expect the first activity on the amateur radio frequencies on September 27th, and will be active the next 10 days. Return to Fiji is expected on October 8th, in the morning. QSL via YT1AD, direct or by the Bureau.

7P, LESOTHO

Peter, EI7CC, will once again be active as 7P8PB from Lesotho between August 18-30th. Activity will be limited because he will be on a family holiday and will operate when circumstances permit. QSL via EI7CC, by the Bureau or direct. Logs will be uploaded to LoTW immediately upon his return to Ireland. If possible, Peter may try to upload them while in Lesotho.

9H, MALTA

Jasper, PB2JJ, will once again be active as 9H3JN from **Maseru, Malta (EU-023)**, between September 2-14th. Activity will take place during the 24th "VRZA Malta Expedition" organized by the Dutch Society of Radio Amateurs (VRZA). Operations will be on 80-10 meters using CW and SSB. QSL via PB2JJ by the Bureau. Online log will be available at:

<http://members.casema.nl/pb2jj/9h3jn>

A2, BOTSWANA

Gert, ZS6AYU, will be active as A25/ZS6AYU

from Jwaneng between September 9-11th. Activity will probably be on 40-10 meters including the 17/12 meters using CW only. QSL via ZS6AYU (see QRZ.com).

A3, TONGO

Craig, KI0SO, has been active as A35CT from Lifuka Island in the **Ha'apai IOTA group (OC-169, Grid Loc. AH20te)**. Activity will be on 20-6 meters mostly SSB. He is using an Elecraft K3 and a Yaesu FT-450 into Force-12 C-3 antenna and an M2 6m antenna operating mostly 10 watts. He has been heard on 20 meters SSB between 0830-1030z. The length of his activity is unknown. QSL via KI0SO CBA (probably a lengthy delay in response).

CW, URUGUAY (Lighthouse Op)

Members of the "Radio Club Uruguayo" will be active as CW1R, the special event callsign for the Punta del Este Lighthouse (ARLHS URU-008, ILLW UY0005, Grid Loc. GF25ma), during the upcoming International Lighthouse/Lightship Weekend (August 19-21st). Activity will be on 80-10 meters using CW, SSB and the Digital modes with at least two stations on the air. QSLs for this activity is via Bureau or direct to: Radio Club Uruguayo, P.O.Box 37, 11000, Montevideo, URUGUAY, SOUTH AMERICA, with a SAE and 1 new IRC or 2 green stamps.

DXCC NEWS

Bill Moore, NC1L, ARRL Awards Branch Manager, reports "In accordance with Minute 29 of the July 2011 ARRL Board of Directors meeting, the DXCC award for RTTY is now changed to Digital. Digital will now replace RTTY on these certificates effective July 25, 2011."

E5, SOUTH COOK ISLANDS

Andy/AB7FS (E51AND, ZK1AND and ZK2AND) and his XYL Kathy/KB7SCH (ZK1SCH) will once again return to Arorangi Beach on **Rarotonga Island (OC-013)** between August 15th and September 3rd, and December 19-31st. Andy will be active as E51AND. As a member of the Straight Key Century Club

(SKCC #7723), he plans to operate straight key CW at or around 14050 kHz, and he will be looking especially for SKCC members. Andy states,

"This is NOT a DXpedition - just a vacation with some hamming -- so frenetic issuing of signal reports will be a low priority though I'll try to make contact with those who want them. I often check into the ANZA net which meets at 0515z daily at 14183 kHz -- so that's a good place to find me for a sked or to QSY down to the CW part of the band --- or you can try E-mailing me - we'll have limited connectivity but I'll check at least every second day...and..... band conditions are MUCH improved from last December."

QSL via AB7FS. Andy's E-mail address is: Kiaorana@minetfiber.com

E5, SOUTH COOK ISLANDS

Ron, ZL1AAO, will once again be active from **Rarotonga Island (IOTA OC-013)**, South Cook Islands, beginning August 19th, for 10 days. He will sign as E51AAO. Activity will be holiday style, and he will be operational on SSB only, 40-10 meters, using 100w to a dipole or 1/4 wave GP antennas. QSL via LoTW, eQSL and direct only; sorry no Bureau cards. He will upload the log when he returns home.

HP, PANAMA (Lighthouse Op)

Members of the "Radio Club de Panama" will be active as HP2TP from Toro Point Lighthouse (PAN-021, Grid Loc. FJ09ai) during International Lighthouse/Lightship Weekend (ILLW), August 20-21st. Activity will be on CW and SSB. QSL via HP1RCP. ADDED NOTE: Toro Point Lighthouse was built by the French in 1894 and designed by Gustav Eiffel and was called Pointe le Taureau. Today it still marking the Northside entrance of the PANAMA CANAL in the Atlantic side of the Isthmus of PANAMA.

IOTA NEWS

AF-040. By the time you read this, Simon, IZ7ATN, will be active as 5Z4/IZ7ATN/p from **Lamu Island** until August 15th. Activity will be

on SSB only. QSL via his home callsign, direct or by the Bureau.

AF-068. (Update). Operators Ruggero/IK2PZC (5C2P), Leo/I8LWL (5C2L), Fred/IK7JWX (5C2J), Simon/IZ7ATN (5C2SG), Ampelio/IS0AGY (5C2B), Mounaim/CN8QY and Belkaid/CN8QX will be active from **Herne Island** between September 22-29th. Activity will be on all HF bands and modes and 6 meters.

EU-020. Hans, DK3PZ, will be active as SM1/DK3PZ from **Gotland Island** (WLOTA 2969) between now and August 20th. QSL via his home callsign, by the Bureau or direct.

OC-223. Members of the Hellenic Amateur Radio Association of Australia (HARAOA) will be active as VK2CL from **Montague Island's** light-house (ILLW AU0071, Grid QF53CR) during the 2011 International Lighthouse/Lightship Weekend (August 19-22nd). Operators mentioned are Tom/VK2IR, Raffy/VK2RF, Binu/VK2BNG, Al/VK2VEC and possibly others. QSL via VK2IR. Visit the HARAOA Web page at:

<http://www.haraoa.com>

SA-045. (Update) A press release by Fred, PY2XB, states that the Brazilian team will start their trip to Macapa, capital city of Amapa State, on Sunday, May 14th, to head towards **Parazinho Island** in the Balilique archipelago to activate it. Fred/PY2XB and Orlando/PT2OP will use PQ8XB and PQ8OP callsigns, respectively, between August 17-25th. They plan to be active on 40-10 meters using CW, SSB and RTTY. The island is located in the mouth of the Amazon River where it encounters the sea. Life in this region is governed by tides; and therefore, dates and boat schedules are tide dependent. They will stay at the Parazinho Environmental Reserve. There are links for 2 shorts videos about the reserve at:

<http://www.grz.com/db/pg8xb>

Logistics are complicated to accomplish their task. Orlando had to fly to Macapa a few months ago to check all priors before their departure. They will carry fuel, food, water,

batteries, a spare generator, etc... in a 12 hours boat trip from Macapa to Vila Progresso, a fishermen village, plus a 30-40 minutes small boat trip to the Reserve, all tide dependent. There are very few operators in PQ8 land, so they will be glad to give everyone a first contact to this rare Brazilian spot and callsign. Contacts will be valid for IOTA, DIB, DFB, WLOTA and ARLHS awards.

When returning home, they will stop over in Macapa for a couple of days. They may activate São José de Macapá fortress using their callsigns /PQ8, if possible. QSLs for PQ8XB will be handled by PT7WA and for PQ8OP by PT2OP. Additional information when available will be posted at:

<http://www.qrz.com/db/pq8xb>

Fred states, "We would like to thank everyone who helped us to put this operation together. Special thanks to Mr. Manoel Reinaldo from Amapa Environmental Office, Policarpo/PY8JPS, and Sandro/PQ8SL, Luciano/PT7WA, and Ed/PY4WAS and Alex/PY2WAS."

KH5, JARVIS ISLAND (Update to OPDX.974.1)

It was reported this week - "Due to a scheduling conflict with the Braveheart, the Jarvis DXpedition has been postponed to 2012 November-December." For updates, visit the N3E Web page at:

<http://dxinsight.org/expeditions/current/news.php?dxid=6>

KH6BZF PROPAGATION

FORECAST/REPORT (August 15-21st)

Aug 15	HN	SOLAR REFERENCE
KEYS		-----
Aug 16	HN	

Aug 17	HN	BN - Below Normal
Aug 18	HN	AN - Above Normal/Geomagnetic Level is QUIET
Aug 19	HN	LN - Low Normal
Aug 20	AN	HN - High Normal/Geomagnetic Level is UNSETTLED
Aug 21	HN	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

OJ, MARKET REEF (Update/Reminder)

Just a reminder that the "United Radio DX Team" will be active from Market Reef between now and August 20th. Operators Max/ON5UR, Marc/ON8AK, Jelmer/PA5R and Dervin/PD9DX will be active as OJOUR from Market Reef (IOTA EU-053, ARLHS MAR-001, TWLHD WLH OJ0-001, WLOTA LH-0542 and Admiralty C4472). Activity will be on the HF bands using a Stepp-IR Big Vertical and a Stepp-IR 2 element beam. QSL via M0URX, direct (w/SAE plus 1 IRC/2 USDs), by the Bureau, or LoTW. Alternatively, QSLs may be requested using M0URX's OQRS form at:

<http://www.m0urx.com/qs1-request-form>

For more info, visit their Web page at:

<http://www.united-radio.be/index.php>

P2, PAPUA GUINEA

Renzo, I2KRR, a volunteering technical support person to the Catholic mission in Vanimo, on the north coast of the main island, will be active as P29FR in Papua New Guinea (PNG) until March 2012. Activity will be on 40/20/15 meters SSB. Operations will be limited to the local evenings, plus Saturday and Sunday afternoons. QSL via I2RFJ, direct or by the Bureau. PLEASE no IRCs. For more details about P29FR, see <http://www.qrz.com>.

QSL INFO AND NEWS

QSL-INFO from DB0SDX (dated August 14th)

3V/9A1MB via 9A1MB HSOZEX
via DL9MDZ PA2011DYK via
PA3RGH

4J8VHF via RW6HS (direct) IC8L via
IZ8EGM PF29CAVENTE via
PA7HPH
40/YU1EA via YU1EA
IG9/IZ0FYL via IZ0FYL PJ7/AF6WU
via AF6WU
5B/RV1AW via RU1AE IH9/I0KLV
via I0KLV R10RTRS/0 via R7AA
5Z4/IZ7ATN/P via IZ7ATN I11L via
IQ1GE RA/JA8BMK via JA8BMK
9A/DL9BBE/P via DL9BBE I14LXV
via IZ4OUL R11FJA via RX3MM
9A/IZ2OAR via IZ2OAR IM0/I2KQE
via I2KQE SM/PE1BTV via PE1BTV
9A/OK1DSM via OK1DSM IR1DCI/P
via IK1QFM SM1/DK3PZ via DK3PZ
9A/S51JS via S51JS
IS0/IW1RGS via IW1RGS SN9Y via
SP9UOP
9A/SQ6NLN via SQ6NLN J8/PE1IGM
via PA3C SQ8SET via SP8WQX
A61K via EA7FTR J48AL via
DM3CW SV8/DM3CW via DM3CW
A71CT via EA7FTR JW/OE9SDV
via OE9SDV TC2X via OH2BH
CO8LY via EA7ADH (direct) KH2/N2NL
via W2YC TF/G4ODA via G4ODA
CP6/DF9GR via DF9GR
KH6/OE6MBG via OE6MBG or NR1R (Bureau)
CT9/IZ2DPX via IZ2DPX LU/IW1FC
via IZ1MLQ TK/DL2RMC via DL2RMC
CW5W via CX6VM (direct) LY/RU5A
via RU5A TK/F5OZF via F5OZF
DL/HB9AGO/P via HB9AGO
LY2011USCARS via ES2TT TK/F5RXL via
F5RXL
EA9/EC7DZZ via EC7DZZ LZ/HA0HW
via HA0HW TK/IZ5NFD via IZ5NFD
ED4FXF via EA4FXF MJOCTR
via MOCTR TM0COL via F6FMT
EN1IFF via UR3IBV N0B via
N7UN TM5SM via F5RJM
EO18IKF via US6IKF N6L via
K6LSN TM89YON via F5KCC
EO60RUL via UZ9RR
OE/DJ5RE/P via DJ5RE TY1KS via
IZ7KHR
HB0/DJ9CB via DJ9CB OH0/WS4T
via WS4T UA1PBA/0 via RK1PWA
HB0/HB3YDL via HB3YDL
OH5/DG2SBL/P via DG2SBL UP1ASTR via
UN0GL
HB0/PA3FYG/P via PA3FYG OJ0UR via
MOURX W2T via N200
HI3/KB2MS via KB2MS ON18CS
via ON4RSX YB0ECT via W2FB

HI3/W1JNZ via W1JNZ OZ/AL3T
via DL7ET YE50S via YF0JZS

YP2WFF via YO2MAB (Bureau)

ZP6VLA via EA5KB

**QSL RECEIVED VIA LoTW: 4O3A, D2SG,
FJ/OS1T, J7A, J45K, JT1DX, R1MVA,
R1MVI, SV9CVY, V47KP, V48M, VK9HR,
VK9LA, VP6BR, YJ0HA, Z2/UA4WHX, Z21BB,
ZD8D, ZP6CW and ZS8MI**

**QSLs RECEIVED VIA MAIL: 3D2A,
5N6/YL2SW, 5Z4KI, 8R1AK/P, 9H4JX,
9H5PF, 9Y4D, C6AGU, CN8SG, CO2WF,
FJ/OH2YL, HA5JI, HK4CZE, LA4UOA,
LY2SA, PJ2/N0VD, S21YZ, SV2ASP/A,
TE8X, UK8UWG, VK9NN, YB0AKM,
YL2UZ, YU3AA, YW5M and ZD7XF**

**QSLs RECEIVED VIA THE BUREAU:
NONE REPORTED THIS WEEK!**

RI1, FRANZ JOSEF LAND

Victor, RI1FJL (ex-R1FJM, UA3ME), will be the new replacement for the August 2011-September 2012 research season at Kheysa Island in the **Franz Josef Land Island group (EU-019)**. Victor replaces Eugeny, RI1FJ (ex-R1FJT, UA4RX), who left FJL on August 9th, onboard the "MV Somov". QSL RIFJL via RX3MM only direct (see QRZ.com for details). By the way, RX3MM is also the QSL Manager for Andrey, RI1FJA, (also on Kheysa Island).

S7, SEYCHELLES

Sam, DL5RDO, will be active as S79DO from the **Seychelles (AF-024)** between August 21st and September 6th. Activity will be on 40-10 meter mainly on CW using a Elecraft K2 w/100 watts and a vertical, and possibly some dipoles, depending on the location. Sam states, "Please note, that on Seychelles, 40m starts at 7050 kHz. So please look for me at 7055 kHz +/- on CW, somewhat higher in SSB." QSL via DL5RDO, by the Bureau or direct. Also via LoTW.

ST0, SOUTH SUDAN (Wrap-up)

The ST0R team is now QRT (as of August 10th). Totals as of 0701z, August 10th, are 121,286/QSOs with 27,994/Unique callsigns.

The breakdown is: 55458/CW, 47696/SSB and 18,1320/RTTY (New world Record). By continent: 15.52%/AF, 20.11%/AS, 34.48%/EU, 14.94%/NA, 5.75%/OC and 9.20%/SA. For more details and updates watch:

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

QSL via EA5RM direct. Online log is available on the Web page at:

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

The OQRS (Online QSL Request System) is now up and running at:

http://www.dxfriends.com/SouthernSudan2011/qsl_service/index.php

SV9, CRETE

Christo, LZ3FN, will be active as SV9/LZ3FN from Crete (EU-015, GIOTA KRS-005, MIA MGC-005, WLOTA 1400) between September 15-24th. Activity will be on all bands using CW and SSB. QSL via LZ1PM.

TC2, TURKEY

Only a few more days to work TC2X from the Asiatic side of Istanbul until August 16th. The operator is Pertti, OH2PM. He did participate in the WAE DX CW Contest this past weekend. QSL via OH2BH.

UM20, UZBEKISTAN (Special Event)

Look for special event station UM20Y between August 25th and September 10th. Activity is to celebrate the 20th anniversary of the Republic of Uzbekistan's independence. Activity will be on the HF bands using CW, SSB and RTTY. QSL via UK8AR.

V4, ST. KITTS

Jon, W5JON, will once again be active as V47JA from the Calypso Bay, **St. Kitts (NA-104**, WW Loc. FK87SG), hillside QTH located 300 feet from overlooking the Caribbean Sea and Atlantic Ocean, between October 10th and November 5th. Activity will be on 80-10 meters (including 60m) using a Kenwood TS-590S, Yaesu FT-857D, and SB200 Amplifier. Antennas include: a 80-10m Multi-band Dipole, and metal roof mounted S9, 18' and 31' Verticals and 3 element Yagi for 6m. His operations will include

the CQWW DX SSB Contest (October 29-30th) as a Single-Op/All-Band entry. XYL Cathy (W5HAM) will occasionally operate as V47HAM. ALL QSLs go to W5JON.

V5, NAMIBIA

A German team of operators will activate Namibia between early December and mid-January (2012) as V5/homecall. Operators mentioned are Mathias/DJ2HD, Wolfgang/DH3WO, Ulmar/DK1CE and Ewald/DJ2BQ. Their tentative schedule is as follows:

V5/DJ2BQ Decemeber 2nd-January 16th (2012)

V5/DJ2HD December 26th-Janusry 16th (2012)

V5/DH3WO December 26th-January 5th (2012)

V5/DK1CE - December 26th-January 5th (2012)

Activity will be on all bands 160-10 meters using CW, SSB and RTTY. Mathias, DJ2HD, states that he will focus on 160/80/40m and on RTTY on each band as well. QSL via the operator's home callsign, except QSL both V5/DH3WO and V5/DK1CE via DH3WO.

VU9, INDIA (Lighthouse Op)

Members of the Bangalore Amateur Radio Club (VU2ARC) and Lions Clubs International Amateur Radio Club Station (VU2LCI) will be active as VU9LHA from the Alleppey Lighthouse (F 0706, WLOL 071, ILLW IN0004, Grid Loc. MJ89dl) in Alappuzha - Kerala between now and August 22nd, during the International Lighthouse/Lightship Week. Their activity is also celebrating the 150th anniversary of the lighthouse. QSL info and more details about the event can be found on QRZ.com.

ZA, ALBANIA

Ignatius, IW7DZJ, will be active as ZA/IW7DZJ between now and August 22nd. Activity will be on the HF bands, and he plans to activate a few lighthouses. QSL via IW7DZJ.

ZD8, ASCENSION ISLAND (Early Contest Announcement)

Jim, N6TJ, will once again be active from

Ascension Island (AF-003) as ZD8Z next year. Activity will be during the ARRL DX CW Contest (February 18-19th, 2012) as a Single-Op entry. QSL via his new manager AI4U, direct or by the Bureau.

ZF, CAYMAN ISLAND

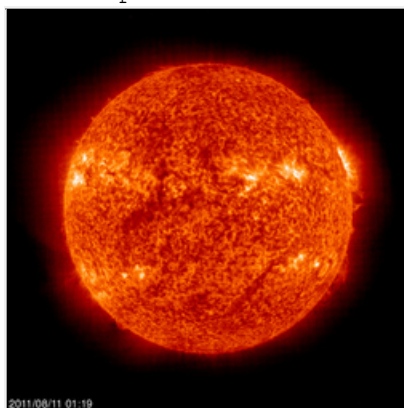
Bill, K9HZ, will be active as ZF2HZ from Rum Point, Grand Cayman Island (NA-016, WLOTA 1042, WW Loc. EK99II) in December. QSL via his home callsign.

on August 22-30. The planetary A index is expected to be 7 on August 11, 5 on August 12-15, then 15, 18, 10, 8, 5, 12 and 8 on August 16-22, 5 on August 23-25, and 15, 10, 8, 5 and 5 on August 26-30. Look for more information on the ARRL website on Friday, August 12. For more information concerning radio propagation, visit the [ARRL Technical Information Service Propagation page](#). This week's "Tad Cookism" is brought to you by The Clash's [London Calling](#).

+ RTTY DXCC Award Now Known as Digital DXCC Award

The K7RA Solar Update

Solar Update



The Sun, as seen on Thursday, August 11, 2011 from [NASA's SOHO Extreme Ultraviolet Imaging Telescope](#). This image was taken at 304 Angstrom; the bright material is at 60,000 to 80,000 Kelvin.

Tad "[The Sun is zooming in](#)" Cook, K7RA, reports: The average daily sunspot numbers declined more than 24 points to 75.1 this week, while the average daily solar flux was down more than 12 points to 104.3. We saw solar flares recently, with a

substantial geomagnetic upset on Friday and Saturday -- August 5-6 -- when the planetary A index was 49 and 31. The [largest solar flare of the current sunspot cycle](#), an X7 flare, occurred at 0805 UTC on August 9, emerging from sunspot group 1263. This does not appear to be Earth-directed. The latest forecast from NOAA has solar flux at 85 through August 17, then 90, 98, 98 and 100 on August 18-21, and then 105

UP-COMING CONTESTS (complete)

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

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

August 2011

WAE DX Contest, CW	0000Z, Aug 13 to 2359Z, Aug 14
Maryland-DC QSO Party	1600Z, Aug 13 to 2400Z, Aug 14
ARRL 10 GHz and Up Contest	0600 local, Aug 20 to 2400 local, Aug 21
North American QSO Party, SSB	1800Z, Aug 20 to 0600Z, Aug 21
New Jersey QSO Party	2000Z, Aug 20 to 0200Z, Aug 22
Run for the Bacon QRP Contest	0100Z-0300Z, Aug 22
Hawaii QSO Party	0700Z, Aug 27 to 2200Z, Aug 28
Ohio QSO Party	1600Z, Aug 27 to 0400Z, Aug 28
NCCC Sprint Ladder	0230Z-0300Z, Sep 2
All Asian DX Contest, Phone	0000Z, Sep 3 to 2400Z, Sep 4
Colorado QSO Party	1200Z, Sep 3 to 0400Z, Sep 4
QCWA Fall QSO Party	1800Z, Sep 3 to 1800Z, Sep 4
Tennessee QSO Party	1800Z, Sep 4 to 0300Z, Sep 5
NCCC Sprint Ladder	0230Z-0300Z, Sep 9
WAE DX Contest, SSB	0000Z, Sep 10 to 2359Z, Sep 11
Arkansas QSO Party	1300Z, Sep 10 to 0100Z, Sep 11

ARRL September VHF QSO Party	1800Z, Sep 10 to 0300Z, Sep 12
North American Sprint, CW	0000Z-0400Z, Sep 11
NCCC Sprint Ladder	0230Z-0300Z, Sep 16
Connecticut QSO Party	0000Z-2359Z, Sep 17
ARRL 10 GHz and Up Contest	0600 local, Sep 17 to 2400 local, Sep 18
South Carolina QSO Party	1300Z, Sep 17 to 2100Z, Sep 18
Washington State Salmon Run	1600Z, Sep 17 to 0700Z, Sep 18 and 1600Z-2400Z, Sep 18
Feld Hell Sprint	1600Z-1800Z, Sep 17
North American Sprint, SSB	0000Z-0400Z, Sep 18
Run for the Bacon QRP Contest	0100Z-0300Z, Sep 19
NCCC Sprint Ladder	0230Z-0300Z, Sep 23
CQ Worldwide DX Contest, RTTY	0000Z, Sep 24 to 2400Z, Sep 25
Texas QSO Party	1400Z, Sep 24 to 0200Z, Sep 25 and 1400Z-2000Z, Sep 25

The MLDXCC NEWSLETTER

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 See the W6 Bureau-home.