

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, July 23rd** at 12:00 noon.

Where: The MLDXCC/NCCC joint meeting will be held at **The Old Spaghetti Factory in Stockton (located at March Lane & I-5) in their large banquet room on Saturday 23 July between 12:00 (noon) and 3:30 pm.** This is the same venue as 2010 joint meeting. It proved to be a great central location with excellent food and service at a reasonable price. See the club's website at <http://www.mldxcc.org/> and click on "meetings" for a map and more information.

What: Tom Berson, ND2T, will give a presentation on the VP8ORK South Orkney Islands DXpedition of 2011.

The following is from Paul, N6PSE, labeled - Press Release #5 --DXpedition to the Republic of South Sudan):

On July 9th, the Republic of South Sudan was born upon their successful declaration of independence from Sudan. The Country of Sudan has congratulated and recognized the Republic of South Sudan.

Today, on July 14th, 2011, the United Nations admitted the Republic of South Sudan as the newest member state. This is a significant achievement for this new country and a significant milestone for amateur radio. It is expected that the ARRL will now add South Sudan to the DXCC list of entities.

The DX Friends and the Intrepid-DX Group continue to move forward with their plans to activate this new entity with a multi-national DXpedition team. With our visas in hand, the teams will soon be making their way towards

Africa and ultimately to Juba, the new capitol of this new nation.

We will have five active stations, operating 24 hrs a day.

We will be in regular contact with our US, EU and JA Pilot Stations and we will pay close attention to propagation reports from them.

We ask that you please make contact with the pilot stations only during the DXpedition and to please refrain from contacting the team members directly via email. We will announce our call sign once we are in Juba and ready to become active.

Our official website is <http://www.dxfriends.com/SouthernSudan2011/>

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

BELOW ARE A FEW SHOTS TAKEN AT OUR JUNE MEETING:



FROM THE PREZ:

I hope that all club members can make our joint meeting with the NCCC on the 23rd. I'm looking forward to the VP8ORK presentation. All information pertinent to the meeting can be found on the MLDXCC web site.

The new country of South Sudan has been officially recognized by the United Nations so we need to act on the request from Paul N6PSE for fiscal support of the South Sudan DXpedition. The South Sudan DXpedition is scheduled to go active the on the 23rd or 24th of July and run through Aug 10th. I hope we all get them on many bands/modes.

Still on the topic of DX I am pleased to announce that I got a "new one". I was able to work the Jan Mayen/JX50 on 20M CW & Phone and on 17M Phone.. The odd thing was I got the phone contacts barefoot but I had to use my amp to break the CW pileup.

On the non-DX front I once again made a clean sweep of the 13 Colonies Special Event over the 4th of July weekend.

A reminder that CQP and the contest season is less than 3 months away! If you have work that needs to be done at your station (and I do) the summer is rapidly moving along so get moving!!!

73 de..... AA6K, Shirley

VP's ORM

The MLDXCC/NCCC joint meeting will be held at The Old Spaghetti Factory in Stockton (located at March Lane & I-5) in their large banquet room on Saturday 23 July between 12:00 (noon) and 3:30 pm. This is the same venue as 2010 joint meeting. It proved to be a great central location with excellent food and service at a reasonable price.

Our presentation: Tom Berson, ND2T, will give a presentation on the VP8ORK South Orkney Islands DXpedition of 2011.

VP8ORK South Orkney Island DXpedition – The VP8ORK DXpedition was awarded Dxpediton of the Year for 2011 at the Dayton Hamvention.

Operating From January 27th to February 8th, 2011, VP8ORK made 63,436 contacts from the Antarctic island group. Some of you may have seen Tom's presentation in Visalia, but Tom promises plenty of new twists, new stories and new perspectives.

Ham Radio Bio of our speaker ND2T: Tom was first licensed in 1957. He has had a radio within arm's reach ever since (although his amateur license did lapse for almost forty years). He loves the challenges of tight integration among radios, computers, and antenna systems. He is a member of competitive multi-op CW, SSB, and RTTY contesting teams at W6YX, W6OAT, K6IDX, and W7RN. He is busy making up for lost solar cycles by working all the DX he can hear, and he prays daily for more sunspots.

Tom has admired antennas during his travels to 9M2, 9M8, 9V, BV, BY, C3, CT, DL, DU, E5, EA, EA6, EI, ES, F, FO, GD, GI, GJ, GM, GU, GW, HA, HB, HBØ, HL, HS, HV, I, JA, KH6, KL, LA, LX, OE, OH, OK, ON, OZ, PA, SM, SP, SV, TA, TF, VE, VK, VR, VU, XE, and YO.

That said, he has been QRV only from K, UA1,UA9, BS7H and K4M. Tom is a past-President and Director of the Northern California Contest Club. He is a member of the Northern California DX Foundation, the Mother Lode DX and Contest Club, The CW Operators' Club and the Stanford Amateur Radio Club.

The menu selection for the meal will be limited to:

1. Chicken Caesar Salad: Chicken breast strips atop crisp romaine lettuce tossed with classic Caesar dressing, shredded Romano cheese, garlic herb croutons and Roma tomatoes. (\$14.00)

2. Meatloaf Italian Style: Homemade meatloaf prepared with ground beef, Italian sausage, sun-dried tomatoes and mozzarella cheese topped with Marinara sauce and grilled mushrooms accompanied by spaghetti with Browned Butter and Mizithra Cheese. (\$14.00).

3. Chicken Marsala: Seasoned breast of chicken with a fresh mushroom and Marsala wine sauce, served alongside spaghetti with Browned Butter & Mizithra Cheese. (\$15.00)

4. Spinach and Cheese Ravioli: Tender pillows of pasta stuffed with spinach and two kinds of cheese, topped with savory Marinara Sauce. (\$13.00).

Beverages Coffee, Tea, and Water and a small dessert are included with the meal. Soda, Beer, Wine, etc may be individually ordered from the bar.

Vegetarians may order item 1 less the chicken.

If you plan to attend please send an email with your call/name, number of persons, and

menu selection to
<<mailto:rosesl@prodigy.net>>
rosesl@prodigy.net. We will collect funds
and issue meal tickets at the event.
de N6DW, Dana

Tube of the Month de Norm, N6JV

4CX1000A

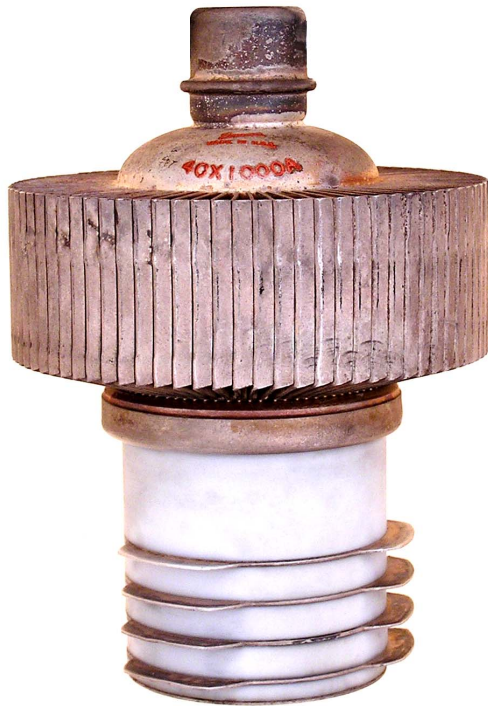
In 1950, EIMAC started a development project to make a relatively small high power tube using ceramic insulation. The Germans had managed to produce some ceramic insulated tubes. They were trying to meet a vague specification from the U.S. military. The first step was to learn how to make the ceramic seal to the metal. A series of experimental tubes were made to test sealing techniques. The X-504 (1951) was a re-packaged 450T triode with stacked ceramic spacers. The X-521A was similar but had overlapping or coaxial construction that gave a better seal. The drive requirements of the triode were too high for the proposed application, so a new series of tetrode X tubes was started. The X-593 (1957) had a breechblock socket system that was more rugged and compact. The socket was designated the X-667 and its development paralleled that of the tube's.

External anodes had been in use since 1945, but a more efficient forced air anode using many thin radiating plates proved adequate. The intended use of this new tube was for SSB that was beginning to be popular with the military and a few (rich) hams. The control grid could only handle 1-watt maximum in AB1. The tube produced full output with zero drive.



The 4CX1000A would produce 1630-watt output up to 110 MHz. I believe that the Collins 30S1 was the first amplifier designed to use the tube. The SK-800 was the socket and the eventually was made several versions. In time, they made more efficient anodes and sold the 4CX1500B that used the same socket. During the testing of the new tube, the anode worked as predicted, but they accidentally also invented a new siren. The tube could be heard all over the factory.





The use of ceramics has changed the modern manufacture of transmitting tubes. EIMAC no longer makes any tube with glass insulation.

Norm N6JV

Editor's Notes de Rick, W6SR

I spent the last month listening mostly to band noise on 6 meters, but I was there when the magic-band (6M) popped open to the Caribbean. And that put 4 new countries into my log. FM,PJ2,PJ4,PJ7. And that has been the pretty-much my radio experience from 15 June to 15 July.

We took a three day Corvette trip to Grant's Pass Oregon the weekend of the 8th through the 10th of July. The weather was perfect and the Jet-Boat ride on the Rouge River was worth the trip all by it's self.

In mid-June I up-dated the W6SR station, my manual-tune AL-1200 amplifier was purchased by Bob, W1RH. I replaced it with an Icom PW-1 (solid state, 1KW continuous output on all modes and is full-QSK).

The station is now all Icom. The PW-1 has two inputs so it may be used as a PA for SO2R, but at this point I am just happy with a fully automated station, I just change bands (on either the radio or within N1MM or DX4WIN) and the radio, antenna switch and power-amplifier are there. And if that was not easy enough, the rotor can be turned via N1MM or DX4Win as well. OK I know, I guess I'm just lazy in my old age.

Photo of current W6SR, station below, the new amplifier is the black box in the lower right side of the photo..



N6ML picked-up my 12/17M dual band antenna and will be installing it at the K6LRG remote-ridge-top in the Altamont Pass.

DXCC is adding a new one, ST0 on 14 July so we will all have to get in line to work em' to keep our DXCC up-to-date. Unfortunately, conditions have not been good so I don't see any clean sweeps from the west coast.

Enough for now, Karen and I will see ya' all 23 July. **de Rick, W6SR**

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

Well, instead of working on my own shack I've been working to get W7RN near Virginia City up and running for SO2R RTTY contests. There was actually a fair amount of debugging for both hardware (one radio was found to have

a broken audio plug) and software - between a microham u2R and writelog and mmtty and windows 7 - there was much fun there too! First shakedown is this Saturday in the NAQP. Hope to see you on the 23rd and have a couple 6m contacts to show!

I picked-up a 6M (modified) SB-220 from W6SR and am now ready to run QRO on six...
de - **Jeff WK6I**

K6KO and K6TA placed forth as WM6A in WPX RTTY, multi single for USA. Kay's first ever RTTY contest.

Ken, K6TA

Many of my contest Q's zones did not agree with the report given. N1MM current version would show Z 7 and report said zone 8. I logged the zone based on the report. This happened a few time with 6 and other zones. I was taking my time trying to improve on my log accuracy, or I would have hit enter and taken N1mm's zone #. Anyone else have zone conflicts?

Thanks,

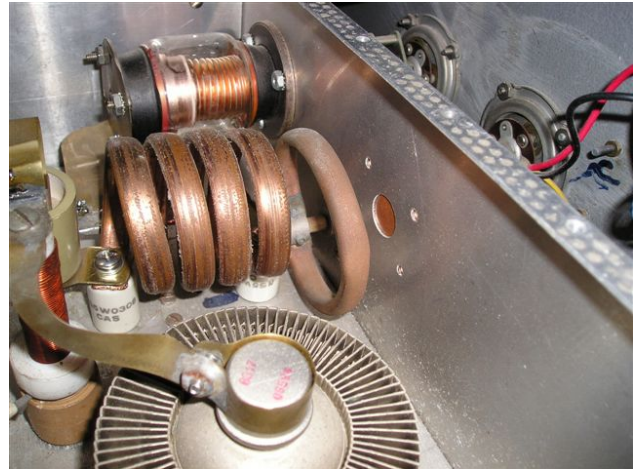
Ray, ND6S

Hi Gang,

Unfortunately, I'm going to miss this year's joint meeting again. Last year - we were at Disney World when the meeting took place. This year, I'm going in for surgery next Wednesday (7/20) so I don't think I'll be up to travelling anywhere by car on Saturday.

de Jim, WX6V (**speedy recovery Jim.. ed**)

George sent the following picture of the business end of his new 8877 six meter power amplifier that he purchased while in Montana. He said the PRICE WAS RIGHT! **de KI6CG**



The DXCC app & endorsements we did back in May was received by ARRL DXCC desk on May 16. Updates & DXCC for RTTY were issued on July 14. Two days short of two months. According to Daily DX, LotW endorsements are done almost overnight. That makes 130/129 RTTY with about 147 worked.

Also working on 12 & 17...65 on 17, 30 on 12. Wish a lot more DX stations would use Logbook of the World as I've been mining the internet for recycled IRCs.

With sunspots not happening, looks like 12 M DXing is gonna be slow through the summer.

de K6LRN

I purchased Rick's (W6SR) Ameritron AL-1200 amp. It purrs like a kitten and is in mint condition. It will complement my Henry 3KD, also purchased from Rick a while back. All part of the SO2R station building plan.

I sold my Collins 30S-1 amp. I've had it since the late 1980's. Hated to give it up, but the buyer got a good deal which included three full-power capable final amplifier tubes (4CX-1000A), one in the amp and two spares.

The goal is to have two amps capable of operating on 160 Meters.



(Above: The W1RH power amplifiers ready for contesting) de Bob, W1RH.

MLDXCC MEETING – JUNE 15, 2011

Call to Order - Meeting called to order at 12:08 by Dana, N6DW, Vice-President.

Approval of Minutes – The May minutes were approved by those present.

Treasurer's Report – No change.

Old Business

Southern Sudan – There was considerable discussion pertaining to MLDXCC's support of the Southern Sudan expedition, and our support of expeditions in general. It was noted that we donate to the NCDXF annually and questioned if we should also single out certain expeditions for

support. Dick, K6LRN, pointed out that N6PSE (Southern Sudan expedition co-leader) gave a talk, at our request, at last year's joint meeting with NCCC and it would be nice to reciprocate by donating \$200 to the Southern Sudan expedition.

At the time of the meeting there was some question as to if Southern Sudan would be approved as a new DXCC entity and should we support a expedition to a not currently approved DXCC entity. W6SR suggested an after-the-fact donation. In the end, Ken, K6TA was asked to contact NCDXF regarding a special donation of \$200 that would support the Southern Sudan expedition, should the entity be approved.

Joint Meeting – It was agreed to hold the Joint Meeting at The Old Spaghetti Factory, in Stockton, again. NCCC members seem to like this location. MLDXCC will provide a DX related speaker and NCCC will provide a contest speaker.

Ray, ND6S, suggested we track down an acclaimed scientist, specializing in sun spots. Ray also suggested the Lodi Brewery as a location this year or in the future.

It was suggested that the VP8ORK expedition talk, given at the Visalia International DX Convention, might be a good one for the Joint meeting. Ken, K6TA, volunteered to check into this.

Membership and Dues – Dick, K6LRN, quoted the bylaws:

Members shall pay annual dues or assessments as set by the Board of Directors.

This led to the discussion as to just who are our members. Ken, K6TA, suggested that we just mirror the NCCC policy on dues requirements, in that they are not required for membership but are required for awards. It was suggested that

we encourage hard-core members to donate annually, but not require dues. The discussion is still open, with no determination or direction.

Contests – Dick, K6LRN, pointed out that MLDXCC was classified as a “Local” club in the ARRL 10 Meter contest and the RTTY Roundup contest when we should be in the Medium Club category. MLDXCC placed third in the Local category for the 2010 ARRL 10 Meter contest.

Bob, W1RH, suggested that we designate a flogger for the serious MLCXCC contests as a way to maximize our scores and to remind members to submit scores on behalf of MLDXCC rather than NCCC for contests that NCCC does not actively pursue but MLDXCC does. Dana, N6DW, agreed that we should at least designate a CQP club flogger.

Dana, N6DW, presented the MLDXCC 1st Place plaque for the 2010 California QSO Party.

New Business

DXCC and Credit Cards – Ken, K6TA, pointed out that the ARRL now has your credit card on file. This means that, for security reasons, it is no longer necessary to list your credit card number on a DXCC application, as long as the ARRL has it on file. You can verify this by looking at your LOTW account.

Meeting Closed - At 1:00 PM

Talk – Several members showed off their portable equipment.

List of those present:

CALL	NAME	QTH	MLD XCC	NC CC
W1RH	BOB	LOTUS	X	X
W6SR	RICK	PLACERVILLE	X	X
N6DW	DANA	GRANITE BAY	X	X
W6KRC	RICK	PINE GROVE	X	X
N6JV	NORM	SACRAMENTO	X	X
W6RFF	JETTIE	ROSEVILLE	X	X
N6KD	DENNIS	JACKSON	X	

KG6OJV	GEORGE	VALLEY SPRINGS	X	
WC6H	RICH	VALLEY SPRINGS	X	X
K6LRN	DICK	OMO RANCH	X	X
K6TA	KEN	PINE GROVE	X	X
K6KO	KAY	PINE GROVE	X	X
K6TKD	CAROLYN	OMO RANCH	X	X
ND6S	RAY	SUTTER HILL	X	X
W6RKC	RICH	PINE GROVE	X	X

July 2011 Treasurer’s Report

Balance as of May 31, 2011: \$1864.73

Check to Northern CA DX Foundation: 200.00

Balance on June 30, 2011: \$1664.73

Check to Intrepid DX Group not sent pending approval of Board. Approval not received as of July 14. NCDXF has funded Expedition is imminent pending ITU issuance of call sign block.

Carolyn Wilson K6TKD, Treasurer

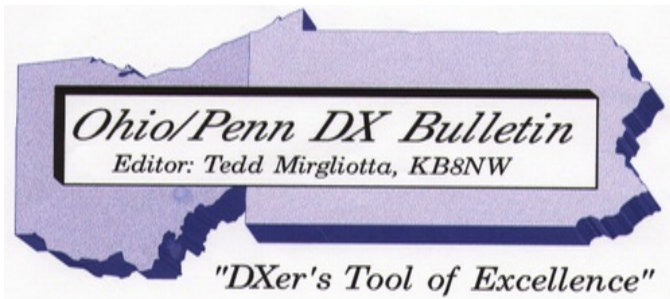
Click on the Hyperlink below to check-out the MLDXCC scores in the latest contests.

<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 1019 July 18, 2011

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 1019
BID: \$OPDX.1019
July 18, 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, NJ1Q, WO2N,
NG3K & ADXO, N4AA & QRZ DX, N4JF,
K6GEP, KH6BZF, K8YSE, W8GEX (60m News),
WB8YJF, AT International, DL1SBF,
DG8KAD & The DX News Letter,
DxCoffee.com, DX-World.Net, E51JD,
F6AJA & Les Nouvelles DX, F6FQK, HP1AC,
I1JQJ/IK1ADH & 425 DX News, IZ3EBA,
OE1WHC, OZ6OM & 50 MHz DX News, Pete's-
DX-Newsdesk, PT2OP, RSGB IOTA Web Site,
TA1HZ, UT7CL, VA3RJ & ICPO, VE7DP, VHF-
DX-Portal (MMMonVHF) and ZL2TZE for the
following DX information.

DXCC COUNTRY/ENTITY REPORT

According to the AR-Cluster Network for
the week of Sunday, 10th-July, through
Sunday, 17th-July there were 211
countries active. Countries available:
3A, 3B8, 3D2, 3V, 3W, 4J, 4L, 4O, 4S,
4X, 5B, 5H, 5N, 5R, 5T, 5W, 5Z, 6W, 6Y,
7Q, 7X, 8P, 8R, 9A, 9G, 9H, 9J, 9K,
9M2, 9M6, 9Q, 9V, 9Y, A2, A4, A6, A7,
A9, AP, BV, BY, C2, C3, C6, C9, CE,
CE9, CM, CN, CP, CT, CT3, CU, CX, D2,
DL, DU, E5/s, E7, EA, EA6, EA8, EA9,
EI, EK, EL, EP, ER, ES, EU, EX, EY, F,
FG, FH, FK, FM, FO, FP, FR, FY, G, GD,
GI, GJ, GM, GU, GW, HA, HB, HB0, HC,

HH, HI, HK, HL, HP, HR, HS, HZ, I, IS,
J3, J5, J6, J7, JA, JD/o, JT, JW, JX,
JY, K, KG4, KH2, KH4, KH6, KL, KP2,
KP4, LA, LU, LX, LY, LZ, OA, OD, OE,
OH, OH0, OK, OM, ON, OX, OY, OZ, P2,
P4, PA, PJ2, PJ4, PJ7, PY, PZ, R1FJ,
S2, S5, S7, S9, SM, SP, ST, SU, SV,
SV/a, SV5, SV9, T32, T7, TA, TF, TG,
TI, TJ, TK, TT, TY, TZ, UA, UA2, UA9,
UK, UN, UR, V2, V3, V4, V5, V8, VE, VK,
VKOM, VP2V, VP5, VP8, VP9, VQ9, VR, VU,
XE, XU, XX9, YA, YB, YI, YL, YN, YO,
YS, YU, YV, Z2, Z3, ZA, ZB, ZC4, ZD7,
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).

5Z, KENYA

Sig, NV7E, is active as 5Z4EE from
Nairobi, and has announced that he will
be in the CQWW DX SSB Contest (October
29-30th) and the ARRL DX SSB Contest
(March 3-4th, 2012) as a Single-Op/All-
Band/High-Power entry. QSL via NV7E, by
the W7 Bureau or direct using the
address on QRZ.com (see details). He
DOES NOT use LoTW.

9Y, TRINIDAD AND TOBAGO

Jim, N6TJ, will be active as 9Y4W from
Scarborough, [Tobago Island \(SA-009\)](http://TobagoIsland.com),
WLOTA 0412), during the CQWW DX CW
Contest (November 26-27th) as a Single-
Op entry. QSL via DL4MDO, direct or by
the Bureau.

E5, SOUTH COOK ISLANDS (Airmail Deliveries To The Islands)

Jim, E51JD, from Rarotonga Island sent
the following to OPDX about the airmail
he receives (edited):

"To The Editor -- For some time I have
been intrigued at how long it takes
airmail to reach my mail box,
particularly some of the mail posted in
USA, and I decided to record details of
QSL mail received between 11 and 27
June 2011. Mail from Italy, UK,

Slovenia, Spain, Czech Republic, France, Greece, Germany & Ukraine took two to three weeks from date of mailing compared to that from USA which with two exceptions took at least a month and in most cases a number of months to reach me. Some examples include that posted in Greer, SC, on 11th Feb. & Gilbert, AZ, on 13th Oct. 2010 received on 11th June, that posted in Melbourne, FL, on 10th Oct. 2010 received on 20th June together with mail posted in Melrose, FL, on 29th March and Pacifica, CA, on 25th March. Mail received on 30th June included one posted in San Jose, CA, on 15th November 2010 and others posted in Bakersfield, CA, on 14th April, Melrose, FL, on 21 March, Austin, TX, on 5th February and Wichita Kansas on 31st March. The mail I picked up on 27 June included one mailed in Springfield, LA, on 29th March.

Apart from the occasional public holiday our post office is open Monday to Friday and my mail box is cleared daily - I have not listed the U.S. mail which took less than two months to reach me.

This is hardly DX news but I thought that I should try to get the information out to operators who may have been waiting some months to receive a response to QSL cards. Personally I am not worried as I do not chase the cards, but any card I receive which includes the addressed envelope and return postage is replied to.

In the hope of getting maximum coverage I have sent this message to two other DX Newsletters.

Thanks and 73s
Jim E51JD
JIM DITCHBURN
P O BOX 491
RAROTONGA
COOK ISLANDS"

FG, GUADELOUPE

Members of the Radio Club Guadeloupe (FG5KC) will be active as FG5KC/P from **Isle of Saints (NA-114)** during the RSGB

IOTA Contest (July 30-31st). Operators mentioned are Isaac/FG0NC, Daniel/FG1JS, Philippe/FG1DD, Jules/FG1JD and Marie-Berthe/SWL F-97120. QSL via FG5KC, direct or by the Bureau or eQSL. Visit Radio Club Guadeloupe's Web page at:

<http://fg5kc.voila.net>

IOTA NEWS

AS-080. Members of the Korea Contest Club (KCC) will be active as D93I from **Anmyon Island** during the RSGB IOTA Contest (July 30-31st). Operators mentioned are Seung/DS4NYE, Jeong/DS1OYR, Jeon/DS1EVQ, Han/DS2G00, Cho/DS3MLG, Lee/DS4NMJ, Kim/HL1OYF and Han/HL1VAU. QSL via DS4NYE direct or LoTW.

EU-030. Axel, OZ7VEA, will be active from **Bornholm Island** between July 24th and August 5th. His activity will also include the RSGB IOTA Contest (July 30-31st) as a Single-Op/SSB-Only/ 12-Hrs entry. QSL via the Bureau. For more details, see his Blog at:

<http://oz7vea2011.blogspot.com>

EU-042. Peter, DC1HPS, will be active as homecall/p from **Pellworm Island** (DID N-23, WLOTA 1188) during the RSGB IOTA Contest (July 29-31st). Outside of the contest activity will be on the HF bands with a focus on the Digital modes. For more information, see:

<http://www.qrz.com/db/DC1HPS>

EU-073. Members of the Associazione Radioamatori Marina Italiani Sezione di Taranto (A.R.M.I) and 599 DX Team will be active as IJ7DX from **San Pietro Island** between August 18-21st. Activity will be on the HF bands and 6 meters using CW, SSB and the Digital modes. QSL via IZ7LDC. For more details, visit their Web page at:

<http://www.armi.ta.it/ij7dx>

EU-091. Members of the Centro Italiano Sperimentazione Attività Radioantist

Sezione di TARANTO (C.I.S.A.R.) will be active as IQ7HK from **Isola Grande** during the RSGB IOTA Contest (July 30-31st) as a Multi-Op entry. QSL via IK7FPX direct only. Operators mentioned are Gilberto/IK7LMX, Giancarlo/IK7QMJ, Michele/IK7FPX, Angelo/IZ7CTE, IZ7CEG, Vincenzo/I7PXV, Casear/ IK7XNF, IK7SIA and IZ7MND.

EU-097. Ian, G4FSU, will be active as OH/G4FSU from **Emsalo Island** between now and August 10th. His activity will also include the RSGB IOTA Contest (July 30-31st). QSL via his home callsign.

EU-131. Members of the Extreme DX & Contest Group will be active as IL3A from **La Certosa Island** (IIA VE-018), Saturday, July 23rd, weather permitting. Activity will be on 20 and 40 meters. QSL via IK3HHX, by the Bureau or direct. For more details, see QRZ.com or

www.extremegroup.org

EU-136. Lang, S57UN, will be active as 9A/S57UN from **Rab Island** during the RSGB IOTA Contest (July 30-31st) as a Single-Op/All-Band/ Low-Power entry. QSL via his home callsign.

EU-146. Operators Francois/ON4LO, Eddy/ON4CCK, Walter/ON8CW, Beni/ ON3BL and Erik/ON4CCV will be active as PA/ON4LO/P from **Schouwen Duiveland** between July 22-24th. Activity will be on 80-10 meters using SSB and the Digital modes. QSL via ON4LO, by the Bureau or direct.

EU-179. Operators Alexey/UR5GDX, Ivan/UR8GX, Nick/UR3GO, Leo/UT7CL and Roman/UR3CJR will activate **Kalanchakskiye Islands** between July 26th and August 3rd. Callsign will be homecall/p. Activity will be on 80-10 meters using CW and SSB. QSL via UR8GX. Visit their Web page at:

http://ur5gdx.at.ua/index/iota_expedition/0-12

NA-067. Jon, WB8YJF, will be active again as WB8YJF/4 from **Ocracoke Island** (NC-001S, Hyde County, NC) between July 24-31st. Activity will be on 80-10 meters using CW, RTTY and SSB. He will also be active in the RSGB IOTA Contest (July 30-31st). Please QSL direct via the address on QRZ.com for a fast reply.

NA-144. Operators Jeff/W6UX, Rick/AE6RS, Tom/WA6WPG and Tim/K6GEP will be active as W6UX/p from **Anacapa Island** during the RSGB IOTA Contest (July 29-31st) as a Multi-Op/Mixed-Mode entry. Activity outside of the contest will be on 40-6 meters, including 30/17/12 meters. QSL W6UX/p via K6GEP. For activity outside of the contest, please QSL via their home callsigns.

NA-232. Just a reminder that the members of the Russian Robinson Club are expected to activate **St. Matthew Island** sometime this week (possibly between July 20-26th). Operators mentioned are Yuri/N3QQ, Tim/NL8F and Yuri/UA9OBA. QSLs can be confirmed by either Yuri/UA9OBA or Dick/N7RO. For more details and updates, watch:

<http://www.na-234.com>

OC-021. Adhi, YB3MM, will be active from **Java Island** during the RSGB IOTA Contest (July 30-31st) as a Single-Op/All-Band/SSB-Only/ 12-Hrs entry. QSL via IZ8CCW.

OC-239. Joni, YB9WZJ, will be active as homecall/p from **Doom Island** during the RSGB IOTA Contest (July 30-31st). Activity will be during his spare time and on 20 meters SSB only. QSL direct only or LoTW.

SA-045. (Update) Excerpts from a press release state that operators Orlando/PT2OP and Fred/PY2XB will be active from Parazinho Biologic Reserve in **Bailique Archipelago** between August 17-24th. Activity will be on 40-10 meters using CW, SSB and the Digital modes. They will use the IOTA and DX frequencies. The callsigns have been

issued as PQ8OP (Orlando) and PQ8XB (Fred). Orlando will mainly operate SSB and the Digital modes while Fred will use mostly CW and also the Digital modes. They will also have 6m capabilities and will monitor the band for openings.

The equipment will be Icoms 706 and 7000 with a 400w THP amplifier. Antennas will be an SteppIR vertical (40-6m) and a Zepp (40- 10m). Power will be off a Diesel generator. Eventually, during generator off periods, batteries will be used. The Parazinho Biologic Reserve is an biologic sanctuary. Only an Environmental Ministry/State Secretary outpost is available on the site. The site is about 300km straight line far from French Guyana border. Few meters from the outpost there is an automatic Lighthouse run by Brazilian Navy. So this operation will not only account for a rare IOTA but also for WLOTA awards (L-1123) and ALRHS (number awaiting confirmation). QSO is valid for the Brazilian Islands Diploma DIB AP-03; Brazilian Lighthouses Diploma DFB AP-03 and South American Lighthouses Diplom DFA.

The team will arrive in Macapa, capital city of the state of Amapa, on August 14th. Then on the 16th it will sail to the Biologic Reserve. The boat ride takes 12 hours to Vila Progresso - a small fishermen community, plus 30 minutes in a motor boat to the reserve. Boat ride schedule will depend on tides that can get amplitudes as high as 10 meters. The team will take food, water and essential goods as well a spare generator and fuel for the entire period.

The team will return on the 25th to Macapa, depending on the tide levels. It is to be confirmed, that on August 26th, activity is planned from São José de Macapa Fortress, the biggest historic Brazilian fortress. Valid for DFH Historical Brazilian Fortress with code DFH AP-01. PQ8OP cards will be handled by PT2OP and PQ8XB cards by PT7WA.

J45, DODECANESE

Members of the SV9 DX Team with co-operation of SV5BYR will be active as J45K from [Kasos Island \(EU-001\)](#) during the RSGB IOTA Contest (July 30-31st). The first team with the equipment will be on the island Tuesday, July 26th. Operations will start next day on 160-6 meters, as well as 2 meters band during weekend. QSL via SV9DJO and LoTW.

JT, MONGOLIA

Frank, DD0CW, is now active as JT1FDB from Ulaanbaatar until the first week of August. According to his [\(QRZ.com\)](#) Web page, he will be active as JT1FDB/7 most of the time from Bugat near Erdenet (Locator: ON19UB) about 400 km NW of Ulaanbaatar. He will be from Ulaanbaatar only during the first week and last week. Frank has permission to be active on all HF bands (160-6m) and VHF/UHF bands using all modes, but he prefers CW. Activity over the past weekend was on 15 and 6 meters. He will use a FT-100D with a GP and Dipole antennas. QSL via DD0CW.

KD0, UNITED STATES (Lighthouse Op!)

Steve, KD0ETC, will be on a kayak expedition to the Apostle Islands National Lakeshore, Wisconsin, in Lake Superior, and possibly activate the following three lighthouses between July 30th and August 5th:
Sand Island (USA 722 and WI018L)
Raspberry Island (USA 688 and WI019)
Devils Island (USA 228 and WI015)

Operating time will between 1500-2100z. His base camp will be on York Island (WI017). Devils Island is maybe iffy since he is kayaking. Activity will mainly be on 20 meters SSB only. However, there may be some 40 meters in the evening using a larger loading coil on his vertical, but he doubts that he will be at a lighthouse then. QSL direct only to KD0ETC with SASE, please.

**KH6BZF PROPAGATION
FORECAST/REPORT (July 18-
24th)**

Jul 18 HN-AN SOLAR REFERENCE
KEYS
Jul 19 AN-HN-LN -----

Jul 20 LN BN - Below
Normal
Jul 21 LN-HN AN - Above
Normal/Geomagnetic Level is QUIET
Jul 22 HN LN - Low Normal
Jul 23 AN HN - High
Normal/Geomagnetic Level is UNSETTLED
Jul 24 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

QSL INFO AND NEWS

PIRATE ALERT. Phillip, ZL2TZE, informs OPDX that there are PIRATE stations active claiming to be on **Chatham Island (ZL7014, ZL7PW)**. There is no current licensed operator with these callsigns listed.

PP0T QSL STATUS. David, EB7DX, reports that he has been very busy these days, and also has been out of town for 10 days. He has recently uploaded the PP0T QSOs to LoTW. The paper QSLs are still at the printer.

QSL STATUS FOR DZ1P. Frank, VE7DP, informs that QSLs for the DZ1P operation (**OC-091**; between March 11-13th; QSL via VE7DP or 4F1OZ) were printed and shipped on June 12th. However, delivery has been delayed due to a recent postal strike in Canada. PSE QRX, the package should arrive sometime this month and all direct requests will be mailed out promptly.

QSL RECEIVED VIA LoTW: 3C9B, 3C0C, C6A/N5KM, PP0T, PZ5RA, S9DX, ST2VB and T31A

QSLs RECEIVED VIA MAIL: 4L6AM, 5N7M, 9K2VO, 9L5MS, CR5CQK, CT3/DF8AA, FG5FR, HK7AAG, HS0AC, JT1DA, KP2/K3CT, OD5/DL6SN, PJ4E, PZ5RA, S57IIO, SV2ASP/A, VP8ORK, YN2ER, YN2ET, YN2MG, ZB2X and ZB3R.

QSLs RECEIVED VIA THE BUREAU: 3D2A, 5W0YA, C91YI, DL2DSL, EA1ARW, EA8/DL1ARD, GB6MD, IR2C, JD1BMM, MS0WRC, MU0FAL, PJ4/G4IUF, PQ0F, S9DX, SM5PHU, T06T, TM32CDXC, TO5SM, TS7C, V25VG3N, YJ0MM, YO3KPA and Z21DXI

ST0, SOUTH SUDAN (Update)

The South Sudan is now the world's newest country and as expected, the 193rd member of the United Nations on July 14th. Also, the South Sudan become a new DXCC entity on July 14th. ARRL DXCC Manager Bill Moore, NC1L, announced that the Honor Roll numbers have now moved up from 340 to 341 for the Top of the Honor Roll, and for Honor Roll it becomes 332.

As this was being written, the last news we heard about the DX Friends/Intrepid DX Group's DXpedition to the South Sudan is:

"The Intrepid DX Group is meeting the DX Friends in Cairo on July 21st. On July 22nd, they all fly from Cairo to Juba, South Sudan. On July 23rd, they will meet with the Ministry of Communications to amend licenses to the new ITU prefix. They expect to be active later on July 23rd, or July 24th (Web page now states July 25th), until shut down on August 10th, 2011."

The International Telecommunication Union (ITU) has not announced a prefix block for the Republic of South Sudan on their Web page yet. However, they have announced that the South Sudan does now have an area code - 211. For more details and updates watch:

<http://www.dxfriends.com/SouthernSudan2>
011

ADDED NOTE: Wolf Harranth, OE1WHC, from the Amateur Radio Section of ORF (Austrian Broadcasting Corporation) and the Documentary Archives Radio Communications/QSL Collection, has informed OPDX that on their Web site, they now provide an extensive overview of Sudan's amateur radio history. The URL Link is:

<http://www.dokufunk.org/sudan>

TC, TURKEY (TC Special Event Stations)

Tevfik, TA1HZ, informs OPDX readers that there will be new TC special event callsigns to be activated in the coming weeks:

TC2BK - First of all, Turkish members of the (TRAC Giresun branch) Giresun Radio Amateurs and Nature Sports Club (GITRAD), and the TCSWAT (Special Wireless Activity Team) will be active as TC2BK between July 20-27th. Bahri Kacan, TA2BK (SK), one of the founders of ham radio in Turkey and former president of TRAC, passed away 10 years ago. Both GITRAD and TCSWAT will be on the air to commemorate this valuable elmer of Turkish ham radio operators. QSL Manager is TA7EB (see details on [QRZ.com](http://www.qrz.com))

TC100TAF - The year 2011 is the 100th anniversary of Turkish Air Force. In May, TCSWAT was on the air as TC100HKK. For those who missed having a QSO for the 100th anniversary, TCSWAT will once more be on the air using a special callsign, but this time as TC100TAF between July 23-31st. Activity will be on the HF bands, mainly SSB, but look out for BPSK31 and SSTV signals especially during the nights! QSL via TA1HZ.

TC1LHW and TC7LHW - In August, look for two lighthouses to be activate by the TRAC Giresun Branch members, GITRAD and TCSWAT during the International Lighthouse-Lightship Week (August 1-8th). The classic TC1LHW team manned by TCSWAT will be located once more in Karaburun Lighthouse while TC7LHW will

be activated from Yoros Lighthouse by GITRAD, TCSWAT and the TRAC Giresun Branch members. Both lighthouses are on the Black Sea coastline. QSL via TA1HZ.

SPECIAL NOTICE FOR QSL CARDS: TCSWAT QSLs are 100% via the Bureau. The usual delivery time is the end of June at the Friedrichshafen Messe. If you are not in a hurry, please wait for it. The cards are printed usually twice a year (May and December), so it is usually of no use to send in a direct request right after the activity. If you use

www.eqsl.cc

the logs are uploaded to the database right after the activities.

TC7, TURKEY (Special Event)

Members of the Trabzon Branch (TRAC) will activate their club station using the special callsign TC7EYOF between July 22-31st. This special activity is in celebration/promotion and during the "TRABZON 2011, 11th European Youth Olympic Festival" sports event. Look for activity to take place on the HF, 6m and 2m bands, using CW, SSB and the Digital modes. QSL via YM7KA, direct or by the Bureau. For more details, visit the TRAC Web page at:

<http://www.ym7ka.com>

TP50, FRANCE

The "Council of Europe Radio Amateur Club" (CERAC - TP2CE) will be active as TP50CE during the RSGB IOTA Contest (July 30-31st). Activity is to celebrate the 50th anniversary of the European Social Charter. Operations are usually on all HF bands and modes, possibly the satellites. QSL via F5LGF. An online log search will be available at:

<http://ewwa.free.fr>

UN/UP, KAZAKHSTAN (UNFF/Lakes/Mountains/Rivers Op!)

Two teams of operators from Kazakhstan

will activate the following Flora & Fauna, Lakes, Rivers and Mountains of Kazakhstan between July 18-31st:

Team UN6GWC/7 (from Almaty) - Operators Sergei/UN6GAO, Arthur/UN6QC (+XYL), Oleg/UN7ECA and UN8GEK (+ XYL) will activate the following:
UNL-003, UNL-131, UNL-128, UNL-045, UNL-129, UNL-002
UNFF-012, UNFF-018, UNFF-006, UNFF-029, UNFF-003
UNR-018, UNR-001
UNWF-002

Team UP7Z (from Astana) - Will activate the following:
KDA B15, B07, F13, F11, F06, F07, J05, J06, J07, J09, J16
UNFF-002, UNFF-006, UNFF-027, UNFF-029, UNR-001, UNR-018
UNL-064, UNL-065, UNL-126, UNL-129, UNL-130
UNWF-002
UNM-036

Activity is planned for all bands using CW, SSB and the Digital modes. Suggested frequencies for SSB are: 3744, 7144, 14144, 14244, 18144, 21244 and 24944 kHz. QSL via the home callsign. For more info, please visit:

<http://un-dx.ucoz.com/index/wffkazakhstan/0-12>

VK9C, COCOS (KEELING) ISLAND

Operators Lot/DJ7ZG and Babs/DL7AFS will be active as VK9CX from **Cocos (Keeling) Islands (OC-003)** between October 19th and November 9th. QSL via DL7AFS.

**** IMPORTANT NOTICE/REMINDER ****

The Ohio/Penn DX Bulletin now has a new FAX number. Contributors can now send/fax their DX information to the following number:
1-419-828-7791 (F A X only!)

SPECIAL NOTE BY EDITOR:

If you are having a problem receiving bounced mail by sending mail to me via " kb8nw@barf80.nshore.org ", please send mail to me via "kb8nw@arrl.net "..... TNX de Tedd
KB8NW

PLEASE NOTICE (as of February 12, 2007), NEW ADDRESS CHANGES FOR THE OPDX INTERNET HELP/SUBSCRIBE/UNSUBSCRIBE REQUEST:

Help: opdx-request@barf80.org
Subject: [help](#)

Subscribe: opdx-request@barf80.org
Subject: [subscribe](#)

Unsubscribe: opdx-request@barf80.org
Subject: [unsubscribe](#)

OPDX WORLD-WIDE WEB HOME (provided by John, K8YSE (k8yse@papays.com)):
<http://www.papays.com/opdx.html>

ALSO VISIT THE NORTHERN OHIO DX ASSOCIATION'S WEB HOME PAGE:
<http://www.papays.com/nodxa.html>

Excerpts and distribution of The OPDX Bulletin are granted as long as KB8NW/OPDX/BARF80 receive credit. To contribute DX info, please send via InterNet Mail to:
kb8nw@barf80.nshore.org

- OR -

kb8nw@arrl.net

Information can now be faxed to the following "NEW" phone line at:
1-419-828-7791 (F A X only!)



Back to the OPDX Index



Back to the NODXA



Back to the EIDX Network



The K7RA Solar Update

From Tad Cook, K7RA Seattle, WA July 15, 2011 To all radio amateurs SB PROP ARL ARLP028 ARLP028 Propagation de K7RA.

Average daily sunspot numbers this week were up 57 percent over the previous seven days, rising from 41.6 to 65.6. Average daily solar flux rose just 3 points to 89.1.

There seem to be plenty of sunspots of late, but none have been large, and so the sunspot number and solar flux are not as high as in some previous months.

A new sunspot appeared on July 7, then three the next day on July 8, then a new one each day on July 9, 10 and 11, and two more on July 13 and another two on July 14. A coronal mass ejection on July 9 gave us some geomagnetic activity a couple of days later.

The current forecast shows the planetary A index on July 15-24 at 5,5, 5, 8, 8, 12, 12, 8, 8 and 5. Solar flux is predicted at 94 on July 15-17, 92 on July 18-19, 90 on July 20-21, then 94, 90, 89, 87, 87, 89 and 88 on July 22-28.

Geophysical Institute Prague says look for quiet to unsettled geomagnetic conditions on July 15, quiet July 16-17, unsettled July 18, unsettled to active July 19, unsettled July 20 and quiet to unsettled July 21.

Jeff Hartley, N8II of Shepherdstown, West Virginia sent in a report on recent 6 meter activity. He wrote, "The recent somewhat lower solar flux is noticeable on the bands, late night openings to EU on 15 are curtailed and 17 meters is slow to open to anywhere in our morning".

"I got up late today, July 8 to find a very good 6 meter opening to Europe. The first station heard was DK1DAX who rapidly faded down followed by EA7KW (who is always there when the band is open), then G8BCG who I managed to work. Then the Mediterranean area really

started to come thru well around 1435z. IS0GQX, F5PAU, CT1DVV, CT1EWX, EA7RM, another F5, and ZB2FK (Gibraltar) was worked for a new country." "On Sunday July 3 I finally logged PJ6D around 2300z after hearing them on FD for quite a stretch, but my weak signal could not be heard there". "Around June 29, SM5EDX was the only signal heard on 6 meters at 2115z besides a few direct signals on the East Coast calling him. There have been quite a few 6 meter European openings into W1, W2, southern W4 and the Midwest that did not extend into my area". Thanks, Jeff!

Robert Elek, W3HKK of Johnstown, Ohio writes "Thursday July 7 around 2300z saw a nice 6 meter opening to Portugal with three strong (57 to 59) signals arriving in central Ohio from CT1's HZE/HZJ/FFU. Signals were in and out for several hours centered on 2300z. Nice going guys! Have a glass of Porto on me!"

"Then on Friday morning, July 8, it hit the fan in central Ohio! I worked CT1FFU and HZE again, stronger than the night before, and then witnessed nearly all of western Europe coming thru, one by one, building up out of the noise to around 55/559 and sometimes as in the case of IS0GQX up to 59. It seemed GQX was in there from around 1300z until the band quieted down around 1800z. Kudos for an amazing signal! Meanwhile, I had fun working F8DBF, ON5HJS, 9H1BT,EA7KW, all new countries for me, and a couple of Canadian Maritimers. But alas, the hoped for evening opening didn't materialize in central Ohio, although I saw the Euro's were still on but working 6's and 7's and 5's". "Imagine all this DX with 100 watts to a 5 element Yagi towering TEN FEET above the rear patio, 'equipped' with an Armstrong rotator! Six is indeed The Magic Band. This was the most widespread DX opening I have seen in my two years on the band. I heard stations from England, Italy, and Russia as well. Very

cool opening!" Thanks, Robert. As the kids say, "Awesome!"

We get a lot of email about solar activity, including some from non-hams curious about something they read in the news. Some people mention that in the same week they see articles claiming we're in for some sort of dangerous solar maximum, but then they read about a dearth of sunspots. I ran across this at a NASA site, which reminds me of some of the questions I get: <http://astrobiology.nasa.gov/ask-an-astrobiologist/question/?id=16490>.

Another interesting piece is this one about a big solar event 11 years ago: <http://www.space.com/12278-bastille-day-solar-storm-anatomy.html>.

Pat Moore, AL7L of Juneau, Alaska pointed out that perhaps the use of the word "millennia" in the last bulletin was unintended, as "millennia" is plural, while "millennium" is singular.

Dick Bingham, W7WKR, who used to live in my Seattle neighborhood now lives way off the grid at Stehekin, Washington, reachable only by boat or a very rugged mountain trail. Check out his interesting address in the lookup feature at <http://www.arrl.org/> or at QRZ.com. Dick sent an article and video from NASA about a dark solar explosion that continues to baffle and fascinate over a month after the event. See and read about it at http://science.nasa.gov/science-news/science-at-nasa/2011/11jul_darkfireworks/.

Mike Schaffer, KA3JAW loves to DX TV and FM broadcasts in Tampa, Florida, and reports some intense sporadic E propagation on July 11-12. He writes, "On Monday, July 11 at 2310 UTC I was getting traces of B/W video with occasional audio from a unidentified Canadian TV-6 broadcaster via Sporadic-E that continued up until 0235 UTC (9:35 pm EDT)".

"I do not recall ever having Es all the way up on channel 6 (83.25 MHz video/87.75 MHz audio) this late in the evening from Canada". "The next day, during the 1730 UTC time I heard one unidentified Cuban TV-6 audio on 87.7 on the car radio. Five minutes later I tuned up to 107.7 with a reception of an unidentified Mexican station. Both stations had fluctuating signal strengths from moderate to strong with a slow rate of fading". "While remaining on 107.7 for the next hour I heard an advertisement for the Alpena.com website for about one minute, then fading away. Twenty-minutes later the signal came in with a moderate signal strength at the best possible time giving its identification spot, '107-7 The Bay'". "The reception distance was 1,191 air miles from Alpena, Michigan to Tampa, Florida. That would place the Es plasma cloud overhead of Rogersville, Tennessee". Mike got a confirmation from the manager of the broadcast station that indeed he had received WHSB on 107.7 MHz. Mike mentioned that he received the signal using the back-side of a cross-phased multi-element antenna.

Joe Miller, KJ8O of Troy, Michigan writes about some curious propagation he experienced. "For the past five years, I have worked the IARU Championship and/or Field Day, and I have worked stations on 20 meters that are in the 200-300 mile range as opposed to the usual 600-700 mile or further first skip. I have noticed this short propagation only occurs in late June and early July. The big surprise for me this year was working AC8G in Dayton OH at 1515z on Saturday, July 7 on the 15 meter band at a distance of 212 miles. I contacted him and he stated that he was using a tower of about 62 feet and a four element Yagi pointed towards Europe and running about 900 watts. On my end, I have a 5BTV and was running 100 watts. His was a good solid signal, not the kind usually heard by

backscatter". Joe wonders what was happening to enable this propagation?

We ran this by Carl Luetzelschwab, K9LA, who wrote "The time period suggests sporadic E". "We normally think of sporadic E on 6 meters and even on 10 meters. We usually don't think of sporadic E extending down to the lower frequencies. But if the electron density is high enough to refract 6 meters, then it's high enough to refract lower frequencies like 15 meters and 20 meters".

"The limiting factor determining the effect of sporadic E on these lower frequencies is the thickness and extent of the sporadic E cloud. It has to be thick enough and wide enough (at least several wavelengths) to allow a gradual bending (refraction) to occur. More than likely the thickness is the true critical parameter. Perhaps the thickness and extent was sufficient to allow short skip on 15 meters on your path. And with enough electrons to refract 50 MHz (I saw many 6 meter spots over the weekend), it's also possible that reflection could have been involved on 15 meters, which says the cloud would not have to be as thick nor as wide".

Carl looked at the Millstone Hill (Massachusetts) ionogram for July 7 at 1515 UTC. "Of course it's not near Joe's path, but it's the closest we have! Note that sporadic E was occurring, and the ordinary wave sporadic E critical frequency was reported as 4.28 MHz and the extraordinary wave sporadic E critical frequency (the green echoes at the same virtual height) was up to 5 MHz. These critical frequencies couldn't support high-angle 15 meter propagation, but we just don't know the magnitude and extent of sporadic E on Joe's specific path. All we can say is sporadic E was occurring in Massachusetts, and 6 meter spots suggest it was also occurring elsewhere".

"Other possibilities are an F region anomaly, but not too likely as the summer months are

generally quiet and have the lowest F region electron densities (for what it's worth, the sparse Millstone Hill data says high-angle F region propagation over your path couldn't be supported, either). As for a geomagnetic disturbance as suggested by your friend, I see that the A and K indices were not elevated on July 7, so that would be tough to couple to your QSO. Another possibility could be extremely long ground wave (I can easily work Toledo and Dayton on 15 meters from Ft Wayne) but the signals would be weak. A last possibility would be some kind of scatter mode, but again with weak signals". Thanks, Carl. Great analysis! 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 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/wlaw-bulletins-archive>. Find more good information and tutorials on propagation at <http://mysite.ncnetwork.net/k9la/index.html>.

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 July 7 through 13 were 42, 65, 55, 67, 72, 62, and 96, with a mean of 65.6. 10.7 cm flux was 85.5, 85.8, 85.6, 90.7, 90.1, 91.7, and 94.6, with a mean of 89.1. Estimated planetary A indices were 6, 8, 12, 12, 13, 8, and 8, with a mean of 9.6. Estimated mid-latitude A

indices were 6, 6, 10, 8, 10, 7, and 6, with a mean of 7.6.

2010 Officers of the MLDXCC

President, Shirley Rose, AA6K
roses@prodigy.net

Vice President, Dana Phillips, N6DW
dwp@resis.com

Secretary, Bob Hess, W1RH
w1rh@yahoo.com

Director, Ken Anderson, K6TA
k6ta@arrl.net

Director, Rich Cutler, WC6H
wc6h@yahoo.com

Director, Richard Hill, NU6T
rehill@ix.netcom.com

Treasurer, Carolyn Wilson, K6TKD
k6tkd@arrl.net

QSL Manager, Norm Regan, WA6SJQ
qsl73@volcano.net

Publicity Chairperson, Brandt Woodard, K6BEW. k6bew@yahoo.com

Nugget Editor, Rick Samoian, W6SR
samoian@directcon.net

Webmaster, Norm Wilson, N6JV
n6jv@n6jv.com

ARRL Awards Checkers

Ken Anderson, K6TA
Rick Samoian, W6SR

ARRL Sixth District QSL Bureau

P.O. Box 970 Fairfax, CA., 94978-0970
Comments or questions on this bureau's operation may be directed to kc6awx@arrl.net
See the W6 Bureau-home.

UP-COMING CONTESTS (complete)

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

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

July 2011

NCCC Sprint Ladder	0230Z-0300Z, Jul 22
+ US Counties QSO Party	1200Z, Jul 30 to 0600Z, Jul 31 and 1200Z-2359Z, Jul 31

August 2011

+ ARRL UHF Contest	1800Z, Aug 6 to 1800Z, Aug 7
North American QSO Party, CW	1800Z, Aug 6 to 0600Z, Aug 7
+ 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

The MLDXCC NEWSLETTER

Information may be reproduced provided credit is given MLDXCC.

2011 Meeting Dates:

May 21 (Valley Springs)
June 18