SOUTHEAST MICHIGAN DX ASSOCIATION SEMDXA

Long Path

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President's Report

Greetings Fellow DXers.

I hope you all survived Dayton and all of you made it back alive, and not as sore as I am. I think I am getting too old for a complete day in the flea market. HI HI. I did have a great time though and met a lot of guys I have in the log. The Hospitality Suite at the Crown Plaza was a great meeting place, and the pizza and beer was good too.

Guys at Dayton informed me of the 2007 ARRL Convention starting September 22, to be held near Cleveland Ohio. There are DX related seminars at the meeting along with card checking, AMSAT, etc. All the information is located at the following URL. http://www.2007gldc.org/tickets/index.htm

I want to thank Ward Silver, **N0AX**, for his **K7C** presentation, except for the photo of the 4" to 5" spiders on the island. Being Arachnophobia, it is highly unlikely I would ever go there. :) My guess is they did not know up front either. They did an outstanding job on the DX-pedition and Ward did an excellent job with his presentation as well.

While at the Top Band dinner I was given some bad news and some good news. The bad news is **N8BJQ** cannot make the June meeting to put on the **BX0ZR** presentation. The good news is **W8UVZ** was also at the Top Band dinner, and since he was part of the team has volunteered to fill in for Steve, In the meantime a group of us are planning a trip to see George's top band setup and take some photos to show at the meeting along with the **BX0ZR** presentation. This will be a great presentation and will show you what QRN really is.

The June meeting will be my last meeting as President and I am hoping by then we have some nominees. If you are interested in running for any position send John, **K8UP**, an email as he is taking a list of those interested. Don't forget if you're not at this meeting you might be an elected official come September so I expect a large turnout. None of these jobs are that demanding and you have the club to help out where needed. So jump in and get your feet wet.

I'll see you all on June 8th at the Troy Elks as usual and until then 73 and good DX.

K8SIX, President

A Big Thank You

Thanks Gerry, W8GF, for the many years of service to the club as Publisher of the Long Path.

DX Watch

May 17 VP6TD Pitcairn (for 4 months)
June 5 B6DX Agalega & St Brandon
Sept 7 3B7C Agalega & St Brandon

See http://logsearch.de for a daily "DX Calendar"

May Minutes

Meeting started at 7:20pm. Different room despite early reservation and confirmation by Elks Club. 18 people were in attendance.

Announcement **K8SIX**: Elections next month, **K8UP** is taking nominations.

4O is new prefix for Montenegro. *(See article on page 6 - Ed)*

DXbase support by author seems to be dwindling. Planned trip to **W8UVZ**

SEMDXA CLUB OFFICERS

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CQ Checker: Al Bailey, **K8SIX**

Program Chair: Sean Fleming, **K8KHZ**

LP Publisher: Chet Sprinkle, **K8YTO**

Kure

(Battle Creek) soon, interested people should email Al.

Introduction of **N0AX**: Ward Silver is the author of Ham Radio for Dummies and several other books and publications as well as the Contest Rate Sheet which is free for ARRL members. Contest Rate Sheet has 15,600 subscriptions.

Presentation K7C / Kure 2005 By Ward Silver

"You don't have a real adventure if you enjoyed it while it was happening"

Kure Island is very rare (#1 in DL, #3 in EU, #10 in world). The last expedition in 1997 and has been difficult to work since 1992. The reason for it to be a DXCC counter is old 'separation by territory' rule. Since Kure Atoll belongs to KH6 and KH4 and is in between them. EU is straight North over the pole, was the most difficult area to work. JA is to the Northwest. US is to the Northeast.

The team of 12 operators was comprised of **KK6EK, NI6T, AD6E, K6SRZ, DJ9ZB, N7CQQ, DJ5IW, N6HC, N0AX, WA1S, W6KK** and **VE7CT**. The boat had a staff of four people. There were three ladies on the island: Cynthia the naturalist ('owner' of the island), volunteer Katie and Pam, an author of a book on the Hawaiian islands. The team of hams had committed to a number of chores, such as digging a duck pit, painting roofs, rerouting wiring and fixing electrical installations. The team had to follow a couple of restrictions and requirements set up by Cynthia, such as bright yellow strips of ribbon on the guy wires of the antennas to prevent birds from flying into them (of course none did).

Kure is at the end of a chain of islands that stem from a moving hotspot in the crust of the earth which currently is at Southern end of KH6 chain. Water around Kure Atoll is 2 miles deep, and inside the atoll 6-20 feet. Kure is the most remote place in Northern hemisphere.

The Kure LORAN station had been built in the 60s, was decommissioned in 1992. Impact of LORAN station and landing strip on island was tremendous, along with import of fauna and flora that took over the island's animal and plant life. Ants and Rubina (?) have pushed native insects and plants aside. Since 1992 there were five years of environment mitigation. Island has few trees, mostly brushes and Rubina. Pests were 4-5" spiders (non-venomous) and Ghost Crabs coming out of the sand at night, scaring some folks.

It was very difficult to get permission to visit Kure. It took Bob, **KK6EK**, about 2 years to obtain from DOF&W. Landing is by permit only.

First real DXpedition for **N0AX**. Team members paid $60,000, overall, with a budget in excess of $100,000. The difference was made up through donations and sponsors. Main sponsors from Europe plus ARRL, corporate sponsors, e.g. ICOM, ACOM, SteppIR, Heil, Spiderbeam, etc.

Kure can only be accessed by traveling from KH6 (1375mi from Oahu). The team used a sailboat MACIA with famous captain Bill, 5 days out and 9 days back (bad ride), mostly sailing. Sailing was a new experience for some, including **N0AX** who almost got hit badly by the boom of the sail when the wind turned suddenly. Ship had to anchor 4 miles from beach, which lead to lengthy zodiac rides (2 hours per trip). 15 to 20 rides needed to unload equipment. More convenient landing location was denied by biologist in order not to disturb birds.

Only a small strip on the beach was allowed for setting up the antennas. SSB and CW stations were separated only by 100 yards. While it used little space on the island and enhanced communication between the two groups, the interaction/phase noise between the stations caused the team to be unable to operate on the same band in two modes in parallel.

Vertical antennas did great, better than beams would have done in this environment. Low take-off angle led to one-way propagation at times when **K7C** was heard in EU but respondents could not be heard on the island. Antennas were 2 Titanex 160m, a Battle Creek Special for 80m, 4 2element SteppIR vertical beams and BigIR verticals. The team laid out 1.5 miles of radials over a period of two days, had to bury them for fears of seals getting tangled in radials on the shore.

Operating conditions were a challenge. Temperatures in tents were very high, bright light made display screens difficult to read. The conditions were very poor for most of the time (SF averaging 70). Broadcast QRM on 40 and the very new OTHR from BY on 75, along with some OTHR spurious signals on 160m were significant issues. *(OTHR is Over The Horizon Radar—Ed)* However, the other bands were extremely quiet. Poor behavior, especially in EU prevented the team to make more QSOs. Zones 15 and 16 seemed to have the most difficulties to get though, but lack of discipline didn't help.

Real-time log ('DXA') was a first try. It put a burden on the team because it

required a lot of equipment and the INMARSAT link was slow. However, it was a new way of communicating with the 'audience' and raised a lot of interest. The website provided *Green squares* (indicating worked band/mode combination). They were not showing up quickly enough and caused some people to work dupes, despite perfectly fine QSOs. **N7NG** had issue with this approach because it might reveal too much detail of actual QSOs.

Overall, the team made 50059 QSOs in 10 days: 27162 on CW, 21161 on SSB and 1736 on RTTY. EU accounted for 18% of the QSOs, NA for 32% and Asia for 47%.

Ward's presentation was excellent.

Thanks Ward!

Meeting adjourned at 9:20pm

KK8I, Acting Secretary

Digital Modes

No question, digital modes are hot. Many DX-peditions offer RTTY and/or PSK31. Many contesting opportunities are opened up with RTTY and PSK31.

PSK31 is relatively new, uses Phase Shift Keying with a baud rate of 31.25, bandwidth of about 31 Hz, and yields a speed of about 50 WPM. PSK31 includes BPSK and QPSK. BPSK is normally used (sideband insensitive). In poorer conditions use QPSK (both hams have to the use same sideband). For PSK31 I use USB.

Digital mode software can be used for other functions. It can be used to monitor a transceivers audio and aid in making adjustments. While specialized programs are also available for this, PSK31 is often used. For example Orion users have setup the optional roofing filters using it.

Digital modes at times offer advantages over SSB and CW. Like CW, DX is often workable when conditions are not the best.

For PSK 31, since the bandwidth is 31 Hz, it's easy to have 10—20 or more QSO's going in a 1000 Hz bandwidth. With stations so close its easy to distort adjacent QSO's so typical power levels are below 60 watts. Often QSO's can have solid copy at 20 watts of less. PSK31 can be more effective than CW under weak signal and noisy conditions.

Digital modes involve your computer, sound card, digital software and an interface for your transceiver, and the transceiver.

See the June 2007 QST, article "The Next Step – 'Sound Card' Modes" written by Joel Hallas, W1ZR for a good overview.

Also, make sure you carefully review the transceiver manual for proper setup for digital modes.

Digital Mode Software

For a quick start I recommend Digipan software for PSK31 and MMTTY for RTTY. Both are freeware on the web. PSK31, MMTTY, and other digital mode software will run from within some current logging software. Neither program is difficult to setup. MMTTY uses AFSK using the sound card or, if you prefer, FSK.

For some basic information on PSK31 see http:www.qsl.net/wm2u/psk31.html. Many other websites provide information on it as well.

Other programs abound. MixW seems to be the most popular PSK program (it is not free). Also, MultiPSK (freeware) is a program to consider as it autodetects most of the many digital modes. Consider these after you are up and running for a while.

Once you get started using digital you may find looking into other digital software can be fun.

Transceiver Interface

To keep it simple, the MicroHam and Rigblaster are the most common products to consider. Both offer serial and USB interfacing between it and the computer . Both interface with the transceiver providing the hardware needed for serial data, PTT, CW, and if available squelch control.

Rigblaster has recently become available with the USB interface. I bought the MicroHam USB II unit before the Rigblaster with USB became available.

You'll need to select the cable to interface with your rig when you purchase the transceiver interface unit. Two shielded audio cables, for soundcard input/output, are typically provided with the transceiver interface units. All needed cables are included with the MicroHam unit. Some cables have additional cost with the Rigblaster.

Setup of a *serial unit* is pretty much a matter of setting jumpers and plugging in cables as well as your digital application software.

Hardware cable hookup is straight forward. The audio cables can easily be reversed. So follow the manual.

The USB units require additional software setup. More on this can be found for the MicroHam router later in this article.

Sound Cards

Keeping it simple, if you have a computer built in the last 4 or 5 years you should be OK.

Setting the proper audio levels for the sound card using audio level controls for "line in" for sound card output, and "microphone" for sound card input will be required. It may also be necessary to adjust the transceiver interface level in

the MicroHam or Rigblaster unit via a pot. Instructions are included with each of them for setting levels to make the computer and interface work with your rig.

You may also need to readjust the sound card audio level when switching between digital mode programs.

It's common for PSK31 users to receive IMD (db) reports. If you get one, ask the other ham to help you while you adjust your sound card audio. Digipan provides IMD information in the Status Bar at the bottom of the screen. Be sure to read the Status Bar information. Use HELP to access the information. At some point you may be asked for an IMD report.

MicroHam Router Software

Setting up the MicroHam router software is not difficult once you read the manual.

The router software resides in the computer and permits soft ports to be defined and used instead of computer hardware COM ports. The soft router concept may be new to you and can take a little time to get used. This information applies to all ham software that is used with the transceiver, not just digital programs.

The MicroHam router setup is a very similar to the ham application COM port setup. First, each COM port number used by the ham application must be enabled in the router software (Create Virtual Port). Next, the enabled soft ports may be assigned to one of four functions, just as in the ham application, with the four uses being radio *control commands, PTT, CW, and Squelch*. This information is stored on disks as a *Template*. There is a bit more involved but it's pretty straight forward.

If you have hardware COM ports on your computer, I recommend that you skip using those numbers in the ham applications and likewise in the router software. At least reserve them for now.

While The MicroHam unit can have more than 8 ports (up to 30) most ham applications today have 8 or fewer. That means the only ports you are likely to enable in the soft router are one through eight (1 to 8).

Setup one program at a time. It is a good idea to start with the logging software and get it running with MicroHam. Then setup the same port numbers in MMTTY and Digipan. Run all three at once and try each. Then close them and run them from within you logging program, if that's allowed.

If you run into a program that causes any of the programs to not work you may have a port conflict.

Depending on how the com portion of an application was designed, one program may cause another to not work, disabling or blocking its use of the same COM port. You may not run into to this but if you do use *different* port numbers in the application as needed, create a new router *Template* using those new port numbers and save it. As each *Template* is saved a button will appear at the bottom. It allows you to use the right set of ports for the application.

Once set up, you should be able to leave applications running. and if need be go to the router, click on a button for the desired application and then go to that applications window and use it.

So far, it's been my experience that the MicroHam router software approach has eliminated problems with program blocking of com usage.

K8YTO

BS7H Epilog

On Sunday afternoon of May 6 I was reading the last press release for **BS7H** and decided to send the author an EMAIL. Here are the press release and my EMAIL to Don Greenbaum:

BS7H

A new beverage? Hams on the rocks?

[DX-NEWS] Scarborough Reef Press Release Number 14

Don Greenbaum
Sat, 05 May 2007 19:58:29 -0700

The team is now QRT after almost 45,000 QSOs. They have finished dismantling the stations and expect to be underway in the next few hours.

N4XP and **N1DG** for the 2007 Scarborough Reef DXpedition.

The EMAIL

Hi Don,

I was glad to see the press releases. Very nice job.

I was:

- shocked to see pics of the rocks from the 1997 expedition before the 2007 DX-pedition arrived.
- surprised to see over 100,000 hits on the website before the guys were on the air
- astounded to see about 500,000 hits on the website when the guys stopped operating
- stunned by the sigs of the big gun stations all through the operation (with wire antenna and 500w here, not good odds)
- flabbergasted at the amount of interference caused by hams on the TX frequencies of the guys
- hopeful of working them to the last minute of operation
- worn out and a bit disheartened at the end
- left in wonderment why prop was better on 20 than on 30 and 40 when I thought they would be better here in MI

If this is what I experienced, I can't possibly come close to knowing what the DX-pedition participants experienced.

I think it's pretty clear that the DX-pedition to Scarborough Reef brought out the worst and best in a lot of hams.

My congratulations to all who made this DX-pedition happen!

K8YTO

Post Script

Well I think I worked him on 30 meters, but I am not sure because of the QRM brought on by the temporary disorder of some of our ham brothers whose minds were affected by the rarified air surrounding the signals from **BS7H**. Online Log: http://www.scarboroughreef.com/srlog.html

Downloadable Firmware, FT-2000, And More

In April the first release of FT-2000 downloadable firmware became available. Until then users of the FT-2000 could only guess if Yaesu would offer it. Currently Yaesu is in process of releasing downloadable firmware on the FT-9000. The FT-9000 apparently needs a new cable to facilitate it. Elecraft has announced it on the K3.

With downloadable firmware, response time on delivering fixes to *critical problems* can be amazing at times. The latest example is the Orion 2.061b release of May 17, 2007. The release turned out to have 2 bugs that were critical. Both were fixed and available May 24 (2.062a).

By the way the FT-2000 has a tiny firmware load selection switch under the left rear foot. Download is done by the computer cable. Clever. Kept a lot of buyers guessing. The latest release is 1.027. There have been two significant releases so far that improved DSP operation including Noise Reduction. The engineers at Yaesu are fixing and improving the FT-2000.

When the FT-2000 was released the DSP design seemed flawed with filter ringing at narrower settings, pinging when digital noise reduction (DNR) was adjusted, and other problems. There must have been a sigh of relief as each of the owners of the FT-2000 found out about the downloadable fixes and tried them.

FT-2000

Recently Gerry Fasse had an FT-2000 (100 W) in his shack and compared it with the Mark V. He liked the new meter, the display, the layout of the controls, and the similarity to the Mark V. He liked the large tuning knob, Gerry preferred the stiffness of it. Those who want less effort can remove the knob and take out a plastic shim. The menus have been improved making them easier to use. He missed not having a way to elevate the front end of the unit. Gerry was surprised to tune in a VK station on the FT-2000 and try the same on the Mark V and not be able to hear it. Many FT-2000 users have reported an audio hiss problem with no apparent fix in the works. The audio hiss was not found to be of concern on unit he had.

Gerry's brother tried the unit as well. He missed the multi function shuttle jog.

Overall Gerry and his brother had a very favorable impression of the FT-2000. However, Gerry would prefer a frequency resolution better than 10 Hz .

More

The IC-7700, "for contesters," released at Dayton turns out to be a little brother of the IC-7800, available about December 2007, and at about $6000. A preliminary brochure is available on line at www.rigpix.com/icom/ic7700_brochure.pdf. Also, see www.AB4O.com/icom/IC7700/Main.html for pictures and information.

Quite a stir has been generated on the IC-7700 Yahoo Group (new). The IC-

7700 apparently has only one receiver and *does not* have dual watch. The front panel has a new XTR knob as well as XTR which is associated with monitoring transmit frequency.

K8YTO

OH2BU Mega DX-pedition Honor Roll Records

Jari Jussila, **OH2BU**, has graciously provided **SEMDXA** with his current numbers for Mega DX-pedition Honor Roll of 30,000 QSO's or more. The full set is available in EXCEL from me by request. The information is *Copyright Jari Jussila, OH2BU (jari.jussila@oh2bu.pp.fi).*

Jari began keeping numbers for larger DX-Peditions in about 1998. However, he does not have them on a web site. **K3LP** has a link to the **K3LP** version of Jari's numbers to which he has added tracking "Tent and Generator" DX-peditions.

The SUMMARY from the EXCEL file are included at the back of the Long Path. The other pages are QSL AND WEB, OPERATOR's, QSO's per continents, QSO's per mode, and QSO's per band.

K8YTO

BC, SCR Terms Explained

Several readers asked what the prefix BC and/or SCR meant as used by the military during WWII. BC meant "Basic Component" while SCR meant "Set Complete Radio."

W8GF

Amateur Radio Awareness Week

According to the ARRL Michigan Section Monthly news, the week of June 23 has been proclaimed as Amateur Radio Awareness week by the Governor.

K8YTO

ITU okays Montenegro, Serbia call sign prefix agreement (May 16, 2007) -- Although it became a country -- and a DXCC entity -- in its own right last June, Montenegro has not had an Amateur Radio call sign block to call its own until this month. According to *The Daily DX*, the International Telecommunications Union (ITU) did not want to give Montenegro an entirely new prefix, so it required the states of Montenegro and Serbia to agree upon one or two prefixes from the five (4N, 4O, YT, YU and YZ) assigned to the former Serbia-Montenegro. An agreement was reached May 11, and the ITU now lists 4O (that's "four Oscar") as Montenegro's. This means Montenegro stations may use 4O0 through 4O9, while Serbia stations will continue to use YT and YU prefixes for all call districts, 0 through 9. The ITU has taken back the former 4N and YZ prefixes for future reassignment. The ITU reportedly wants the two nations to complete the transition to new call sign blocks as soon as possible. *The Daily DX* Editor Bernie McClenny, W3UR, recommends that DXers update their logging software carefully to reflect the changes.

(From www.arrl.org - ED)

Postal Rates Changed On May 14

First Class	$0.41
Canada/ Mexico	$0.69
Rest of World	$0.90
IRC	$2.00

I wonder if the $1.85 IRC's I just bought in April are still good. Maybe I should go to the PO and have them surcharged for the extra $0.15?

K8YTO

Mega DX Peditions Honor Roll
- DX Peditions with over 30.000 QSO's

May 20th, 2007

NOT COMPLETE!

Mega DX Peditions Honor Roll

Pos.	Call	DXCC Entity	Lenght (days)	Dates	Year	QSO total with dupes	Uniques	Stns	Special comment
1	D68C	Comoros Is.	20	Feb 8 - 28	2001	**168,722**	**45,315**	10	
2	3B9C	Rodrigues I.	24	Mar 19 - Apr 12	2004	**153,113**	37,040	10 - 12	
3	4O3T	Montenegro	24	July 20 - Aug 13	2006	**120,000**			
4	N8S	Swains I.	11	Apr 4 -15	2007	**117,205**		7	
5	5A7A	Libya	14	Nov 16 - 29	2006	**112,232**	31,212	7+1(6m)	
6	VU7RG, VU7MY	Lakshadweep Islands	14	Jan 15 - 29	2007	**110,201**	25,204		
7	ZL9CI	Campbell Is.	17	Jan 7 - 24	1999	**96,004**	30,271	6+(1)	Oper allowed only during the local daytime, 18.5 h/day
8	K1B	Baker & Howland	9	Apr 28 - May 7	2002	**95,127**		6	
9	3Y0X	Peter 1 Is	12	Feb 8 - 19	2006	**86,888**	26,449	8+1	
10	VU4AN/*	Andaman Is.	9	Apr 17 - 25	2006	**86,000**			
11	A52A	Bhutan	10	May 3 - 13	2000	**82,087**	25,039	6+1 (RTTY)	Maximum output power 100 W
12	K5K	Kingman Reef	9	Oct 22 - 31	2000	**80,841**	17,863	5+1 (6 m)	
13	VK0IR	Heard Is.	14	Jan 14 - 27	1997	**80,673**	27,502	6	
14	XZ0A	Myanmar	23	Jan 13 - Feb 8	2000	**79,784**			
15	TI9M	Cocos I.	13	Feb 17 - Mar 2	2002	**79,495**		4	
16	FO0AAA	Clipperton I.	7	Mar 1 - 8	2000	**75,107**	23,000	4+1 (RTTY)+1 (6m)	
17	YU6AO	Montenegro	30	July 20 - Aug 18	2006	**75,000**			
18	4J1FS	M-V Island	13	May 26 - Jun 7	1992	**74,495**	36,109	6	
19	T33C	Banaba	12	Apr 4 - 15	2004	**74,490**		7+1 (6m)	
20	TX0DX	Chesterfield Is	7	Mar 23 - 29	2000	**72,654**	22,893	4-5	
21	ZL7C	Chatham I.	11	Oct 17 - 28	2002	**72,213**			
22	ZA1A	Albania	22	Sep 16 - Oct 7	1991	**71,000**			
23	XR0X	San Felix Is.	10	Mar 15 - 26	2002	**68,910**		6	
24	FT5XO	Kerquelen I.	11	Mar 20 - 31	2005	**67,954**			
25	H40AA	Santa Cruz Is.	13	Apr 1 - 13	1998	**67,129**	23,140	3-4	
26	9M0C	Spratly Is.	13	Feb 12 - 23	1998	**65,524**	21,977	4-6	
27	PW0T	Trindade I.	14	Feb 18 - Mar 4	2002	**65,089**			
28	R1MVA, R1MV	M-V Island	10	July 6 - 15	1999	**65,221**			

Mega DX Peditions Honor Roll **May 20th, 2007**

- DX Peditions with over 30.000 QSO's

NOT COMPLETE!

Mega DX Peditions Honor Roll

Pos.	Call	DXCC Entity	Lenght (days)	Dates	Year	QSO total with dupes	Uniques	Stns	Special comment
29	3W8CW, 3W8DX	Viet Nam	39	Oct 22 -Nov 28	1988	**63,200**		2	
30	3Y0PI	Peter 1 Is	22	Jan 29 -Feb 19	1994	**62,500**		4	
31	8N1OGA	Ogasawara	99	Sep 15 - Jan 4	2002	**62,000**			
32	VK9DNX	Norfolk island	16	Feb 15 - Mar 3	2007	**61,581**			
33	FP/VE7SV	St. Pierre & Miquelon	10	Oct 23 - Nov 2	2004	**59,118**			
34	XF4DL	Revilla Gigedo	18	Oct 17 - Nov 5	2006	**58,630**			
35	5U4R	Niger	12	Feb 4 - 16	2002	**57,111**			
36	VU7LD/*	Laccadives	27	Dec. 1 -27	2006	**56,700**			
37	XT2C	Burkina Faso	14	Jan 6 - 20	2007	**56,287**			
38	AH3C/KH5J	Jarvis	7	Apr 15 - 21	1990	**55,000**			
39	VP6BR	Pitcairn	86	Jan 25 - Apr 21	2000	**53,849**		1	
40	3B7RF	St. Brandon	12	May 6 - 17	1998	**53,518**			
41	TS7N	Tunisia	13	Nov 19 - Dec 1	2003	**53,042**	21,218		
42	3XY7C	Guinea	13	Oct 30 - Nov 13	2002	**52,480**		4	
43	AH1A	Howland	15	Jan 26 - Feb 3	1993	**52,410**			
44	VP6DI	Ducie I.	13	Mar 13 - 26	2002	**52,000**			
45	FR/F6KDF/T	Tromelin I.	15	Aug 1 - 15	2000	**51,046**	17,270	3	
46	VK9ML	Mellish Reef	10	Apr 15 - 24	2002	**50,950**			
47	K7C	Kure I.	10	Sep 25 - Oct 5	2005	**50,059**	15,472		
48	XY0RR	Myanmar	15	Aug 27 - Sep 11	1991	**50,000**			
49	3G0Y	Easter I.	15	Mar 4 - 18	2001	**49,629**		3	
50	CY0MM	Sable I.	11	Nov 18 - 29	2002	**49,513**		3 + 1 (6m)	
51	3Y5X	Bouvet	16	Dec 29 - Jan 13	1990	**49,000**			
52	ST0RY	Sudan	11	Mar 20 - 31	2003	**48,064**			
53	J20MM, J20RR	Djibouti	14	Feb 1 - 15	2007	**48,055**			
54	FO0CI	Clipperton	10	Mar 6 - 15	1992	**48,000**		5	Also 50.100 mentioned
55	XF4L	Revilla Gigedo	7	Apr 12 - 18	1989	**47,943**			

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Mega DX Peditions Honor Roll

Pos.	Call	DXCC Entity	Lenght (days)	Dates	Year	QSO total with dupes	Uniques	Stns	Special comment
56	TS7N	Tunisia	13	Nov.15 - 27	2000	**46,492**	19,264	5	First license for 6m and WARC!
57	3B9R	Rodrigues I.	12	Mar 31 - Apr 10	1999	**46,100**		4-6	
58	BS7H	Scarborough Reef	7	Apr 29 - May 5	2007	**45,820**	17,884	4	
59	T31T	Canton	10	Sep 25 - Oct 4	1999	**45,700**			
60	YX0A, YX0LIX	Aves I.	8	Apr 20 - 28	2006	**45,414**			
61	3D2AM	Conway Reef	8	May 16 - 23	1990	**45,000**			
62	KP2A/D	Desecheo	7	Jun 9 - 15?	1981	**45,000**			
63	VK9MM	Mellish Reef	9	Sep 19 - 27	1993	**43,876**	17,864		
64	1S1XV, 1S1RR	Spratly Is.	12	Apr 19 - 30	1990	**43,265**			
65	XR0Y/Z	Easter Is.	10	Sep 9 - 16	1995	**42,234**			
66	4J1FS	M-V Island	11	May 20 - 30	1989	**42,000**			
67	3D2CI	Conway Reef	7	Oct 5 - 11	2001	**41,930**			
68	8Z4A	Neutral Zone	11	Nov 10 - 20	1979	**40,800**			(Deleted)
69	ZL8R	Kermadec	8	Oct 10 - 17	2006	**40,435**			
70	E44/HA1AG	Palestine	8	Feb 23 - Mar 3	1999	**40,431**	15,341	2	
71	9L1AB	Sierra Leone	35	Nov 7 - Dec 12	2002	**40,362**			
72	HK0TU	Malpelo	6	Nov 3 - 8	1990	**40,000**			
73	VP8SSI	South Sandwich I.	12	Mar 22- Apr 3	1992	**39,400**			
74	9G1AA	Ghana	19	Mar 24 - Apr 11	1993	**38,000**			
75	9M0S	Spratly Is.	7	May 27 - Jun 2	1993	**37,000**			
76	R1MVW, R1MVC	M-V Island	13	Nov. 16-28	2005	**36,881**	15056	2-4+1(2m)	
77	VU4RBI, VU4NRO	Andaman Is.	23	Dec 1- 24	2004	**36,500**		4	
78	P5RS7	Near N.Korea	19	Dec 19 - Jan 6	1991	**36,000**			Not accepted by DXCC
79	W5IJU/KP1	Navassa			1993	**35,461**			
80	HC8MD	Galapagos		Nov - Dec	1981	**35,000**			
81	701YGF	Yemen	10	Apr 17 - 26	2000	**35,000**			Not accepted by DXCC
82	6O0N	Somalia	15	Jan 19 - Feb 2	2006	**34,896**			
83	H7DX	Nicaragua	15	Feb 20 - Mar 7	2002	**34,265**	15,113		
84	ZL8RI	Kermadec	9	May 5 - 13	1996	**33,897**			

Mega DX Peditions Honor Roll
- DX Peditions with over 30.000 QSO's

May 20th, 2007

NOT COMPLETE!

Mega DX Peditions Honor Roll

Pos.	Call	DXCC Entity	Lenght (days)	Dates	Year	QSO total with dupes	Uniques	Stns	Special comment
85	TO4E, TO4WW	Juan da Nova, Europa	26	Nov 25 - Dec 21	2003	**33,832**		2+1(digi)+1(6m)	
86	KP2A/KP1	Navassa	7	Mar 16 -22	1982	**33,552**			
87	ZS9Z/ZS1	Penguin	6	Nov 24 - Dec 2	1990	**33,200**			
88	AA4NC/KP1	Navassa	7	Jan 18 - 24	1992	**33,000**			Also KW2P/KP1, WA4DAN/KP1
89	T33R, T33T	Banaba	12	Nov 7 -18	1990	**33,000**			
90	T30CW	Kiribati	21	Oct 20 - Nov 10	1999	**32,630**			
91	FT5ZH	Amsterdam	24	Nov 27 -Dec 21	1998	**32,065**	14,000		
92	YA5MM	Afganistan	13	Mar 9 - 21	1992	**32,000**			
93	1A4A	S.M.O.M	6	Jan 2 - 8	2007	**32,000**			
94	XZ7A	Myanmar	15	Oct 1 - 16	2003	**31,936**		4	
95	V26EA/ET/FM/WP	Antigua	14	Aug 11 - 24	2000	**31,915**		2	
96	VK9ZM	Mellish Reef	10	Jan 8 - 17	1989	**31,467**			
97	ZL7DK	Chatham	13	Feb 23 - Mar 8	1998	**31,335**		3	
98	YA0RR	Afganistan	17	Jan 5 - 21	1991	**31,128**			
99	8P9JR/JS/JT/JU	Barbados	11	Aug 25 - Sep 4	2000	**31,108**		2	
100	S05X	Western Sahara	15	Apr 15 - 30	2003	**31,075**		2+1(digi)+1(6m)	
101	D68BT, D68WL	Comoros Is.	16	Jan 13 - 28	2001	**31,000**		2	
102	F00XX	Clipperton I.			1985	**31,000**			
103	VP8SDX	Falkland	14	Apr 24 -May 7	2001	**30,117**			
104	3D2CT, 3D2CU	Conway Reef	8	Mar 26 - Apr 2	1994	**30,000**			
105	VK0HI, VK0CW	Heard	12	Jan 22 - Feb 18	1983	**30,000**			
106	3D2CI	Conway Reef	7	Feb 22 -28	2001	**30,000**			
107	OH5AB/MVI, R1MVI	M-V Island	25	Jun 5 - 16	1997	**30,000**			
	Total		**1,569**			**5,809,362**			

June 2007

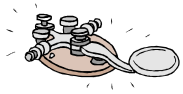
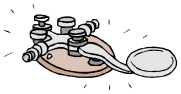
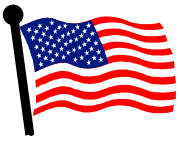
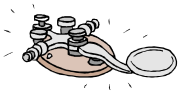
Monthly Planner

May

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

July

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 **Alabama QSP** **Region I Field Day** **Seanet Test**
3	4	5	6	7	8  **W1AW Qualifying Run**	9 **ANARTS RTTY/ Digital Test** **ARRL VHF Test** **Asia Pacific Sprint SSB** **FOC QSO Party** **GACW CW Test**
10	11	12	13  **K6YR Qualifing Run**	14  **National Flag Day** **New Moon**	15 **Summer Meteor Scatter Test**	16 **ARRL Kids Day** **Asia CW DX Test** **Midland Swap** **SMIRK Test** **WV QSP**
17  **Father's Day** **Monroe Swap** **Spanish Island Test**	18	19	20  **W1AW Qualifying Run**	21  **Summer Begins**	22	23  **ARRL Field Day** **QRP ARCI Milliwatt Field Day** **Spain SSB Test**
24	25	26	27	28	29	30  **Full Moon**