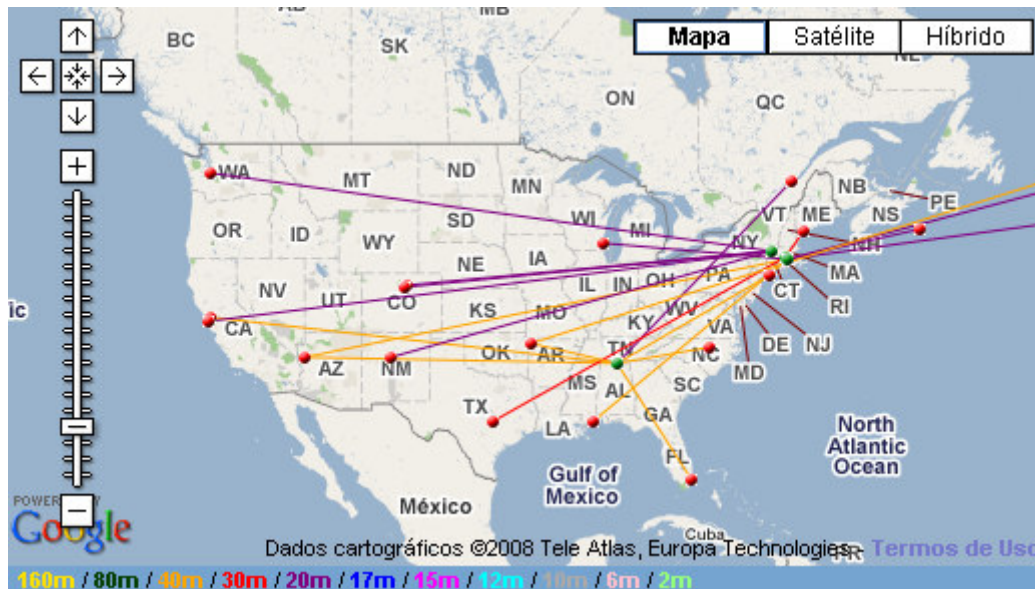


# VHF South America by Flávio Archangelo PY2ZX

*For the 3rd edition of DUBUS Magazine 2008*

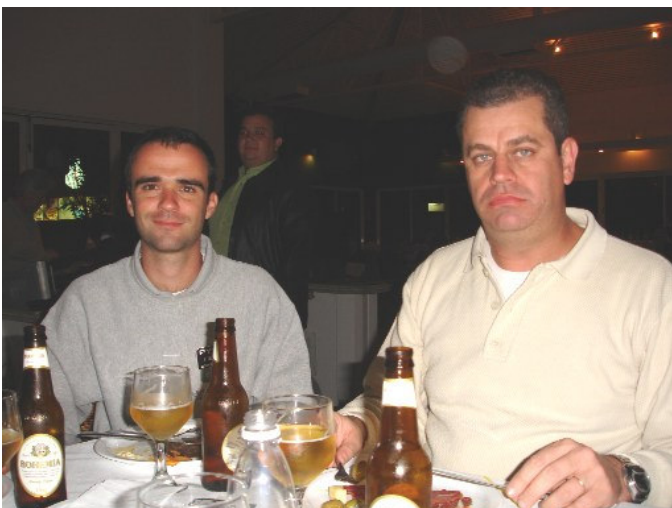
## REVERSE BEACON PROJECT



*Monitoring and monitored stations by Skimmers cluster.*

The Reverse Beacon Project is a version of one wide band automatic DX Cluster. The receiver and PC by itself identify the station listened with the use of CW Skimmer, multichannel CW decoder software of all CW signals in the pass band offered by the receiver. By one “aggregator”, the identified CW CQs could be sent by telnet connection as one spot to DX Watch database that provide in world wide web these informations in traditional DX Cluster table format or in maps as well.

The monitoring station can work with any receiver, but if one SDR is used (SoftRock, FlexRadio, RFSpace, SDRZero, etc), the reception will be in wide band so several stations can be identified simultaneously in different frequencies and these informations will be sent at same time to the network, providing and collecting more data.



The map is designed according the user, with spots lifetime screen between 15 seconds to 10 minutes. You can also change the location and study more deeply into selected area of the world. Each trace that unites the monitoring and the spotted station is colored in a way to be related with the band where the station was heard. And it includes VHF spectrum despite the spots are mostly coming from HF, Europe and USA on this experimental phase of the project.

*Felipe PY1NB of Reverse Beacon Project and Fabio PS7HF of Rio DX Group (L to R).*

It would be incredible if the VHF and upper bands could be covered by the project, or specific calling or beacons frequencies also be provided by narrow band receivers. For join the network write to Felipe Ceglia PY1NB, that with Pete Smith N4ZR is working on this interesting project. Alex Shovkopyas, VE3NEA, the same author of famous DX Atlas and Faros, developed CW Skimmer.

Reverse Beacons:  
<http://skimmer.dxwatch.com>

CW Skimmer:  
<http://www.dxatlas.com/cwskimmer>

PY1NB contact:  
<http://skimmer.dxwatch.com/contact>

## TROPO IN BRAZIL



*PY1AR in action at GG87LL and the QSL card of the +1200 km QSO.*

Amarildo, PY1AR, made one largest QSO Tropo considering the recent VHF DX history in Brazil: 1215 km with PT9PA and 850 km with PY5EW, all in 144 MHz. The most interesting is the conditions of PY1AR, portable at Morro do Açú, GG87LL, 2232 m ASL, Petrópolis, Rio de Janeiro. He used only FM mode and 5 W into HT antenna! PY1AR made about 30 QSOs with that extremely simple setup. Amarildo is one very active radio mountaineer and we can expect more interesting QSOs in the future.

## ARGENTINA ON 144 MHz



*Horácio LU5BE (left) and Leonardo LU9JMG (right) operating at GG33er.*

Argentina for the first time was active in Concurso Brasileiro de 144 MHz (CB144-2008) as portable station in the province of Corrientes (LU#I) as callsign LU5BE/I. The team formed by LU5BE Horácio, LU9JMG Leonardo and LU5JCL Luciano drove several km to reach the border with Brazil in the extreme north of Argentina at GG53er. They worked 7 grid squares in 144 MHz

and were heard in more one, GG66. The longest QSO was almost 500 km far. They used IC-706MKIIG, FT-736 and Swiss Quads. The same team is now planning future operations, including for next contests.



*Grids worked by LU5BE/I (stressed green) and Luciano LU5JCL at GG33er.*

## VHF-DX NETWORK



The VHF-DX mailing list was created 10 years ago for congregate the VHFers of Brazil, to exchange informations and to restore the VUSHF DX in the country that was, on that date, very quiet since the VHF boom of 80's. The success of VHF-DX was so high that it is still active today going to 700 members from different countries. Now the same goodwill is devoted to South Cone of America where important radio countries like CE – LU – CX – ZP are located but the vast majority of the VHF activities are related to 50 MHz. So in July, 2008 the VHF-DX team also created the VHF-DX-SUR mailing list in partnership with Horácio LU5BE and Leonardo LU5JMG as coordinators. With just few days the list deployed huge Spanish language traffic and new local members making skeds and looking for DX in higher frequencies too. So the VHF-DX Network is now formed with two forums, the traditional VHF-DX and the new VHF-DX-Sur. The addresses are:

VHF-DX: <http://tinyurl.com/vhf-dx>  
 VHF-DX-Sur: <http://tinyurl.com/vhf-dx-sur>

## NEW AVHFC 2008



The Araucaria DX Group has announcement the second edition of Araucaria VHF Contest 2008 for 18 and 19 October. So the contest will have two editions per year: one enjoying the *spring* conditions and the second for *autumn* conditions (both for Southern Hemisphere) as well equinoctial month. Stations abroad like in Carib and South America are welcome since TEP and Es could be active. The contest has the same CQWW VHF rules. More information at: <http://www.radioamador.com/avhfc>

### TOP 5 CONTESTS RESULTS

#### AVHFC – 2008 - 174 Stations

Station – QSO – Grid Square – Points

Multi Op All Band

PU2VIR	144	30	6810
ZV2T	112	31	5952
ZV2ALT	83	24	3268
ZV2K	77	24	3048
PY5ARP	76	16	2208

Single Op All Band

PY2RJ	114	22	4488
PY2HL	108	25	4150
PY2VV	68	22	2552
PU2PJA	42	15	1108
PY2DA	42	13	975

Single Op 144 MHz

PY2HCD	58	13	1508
PY2PPZ	48	14	1344
PU2UDX	58	11	1232
PY2NET	49	12	1152
PY2EPC	42	11	902

50 MHz = PU2SHF, PY2IQ, PY2BJO.

PU2VIR = PU2VIR, PY2VM, PY2WC, PY2EL.

ZV2T = PY2ZX, PY2OC.

ZV2ALT = PY2EX, PY2FCL, PY2HT, PY2TZT, ZZ2SZV.

PY5ARP = PU5RAR, PY5DLT, PY5QW, PY5ZD.



*PY2BJO receiving the trophy from PP5XX/PY5CC during the ceremony of AVHFC 2008 in FENARCOM Hamvention*



*PY2PPZ receiving the trophy from PP5JR during the ceremony of AVHFC 2008 in FENARCOM Hamvention*

## CB144 –2008 – 236 Stations

Points – Station - QSOs – Cumulative Distance

Top Scores

13.971.504	PY2HL	232	60222
11.636.000	PY5ARP	200	58180
8.892.422	PY2PPZ	226	39347
7.903.272	PY2ZX	219	36088
7.361.919	PY2RJ	213	34563

Multi – Multi

13.971.504	PY2HL	232	60222
11.636.000	PY5ARP	200	58180
8.892.422	PY2PPZ	226	39347
7.903.272	PY2ZX	219	36088
6.969.809	PY2UE	193	36113

Single Op – Multi

7.361.919	PY2RJ	213	34563
5.685.320	PY2HCD	178	31940
4.350.510	PY4OG	123	35370
2.277.080	PU2THW	116	19630
2.180.412	PU2WOT	117	18636

Multi Op – FM

3.295.010	PY5AA	106	31085
2.360.900	PU2TMT	100	23609
1.984.416	PY2USA	96	20671
1.937.967	PU5PBC	83	23349
1.653.609	PU2PJA	87	19007

Single Op – FM

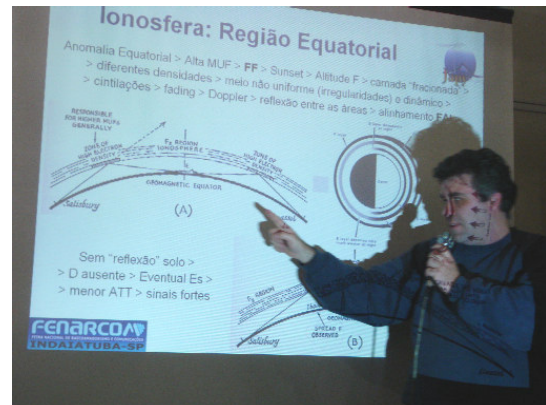
1.065.388	PU2KLM	83	12836
639.216	PU2MPM	72	8878
629.680	PY4ITA	40	15742
572.924	PY4GEL	58	9878
544.337	ZV2WAC	43	12659



*PY2RJ receiving the trophy from PY5EG during the ceremony of AVHFC 2008 in FENARCOM Hamvention*



*PY2ENO receiving the trophy from PY5EG during the ceremony of AVHFC 2008 in FENARCOM Hamvention*



*PY2ZX during presentation about TEP in FENARCOM Hamvention*