



DXpedições em concursos

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O objetivo desta apresentação

O Objetivo

Convidar e incentivá-los a fazer
uma expedição em um concurso*

* Não importa quão grande ou pequeno, se for muito longe ou muito perto o se eles ganham ou não

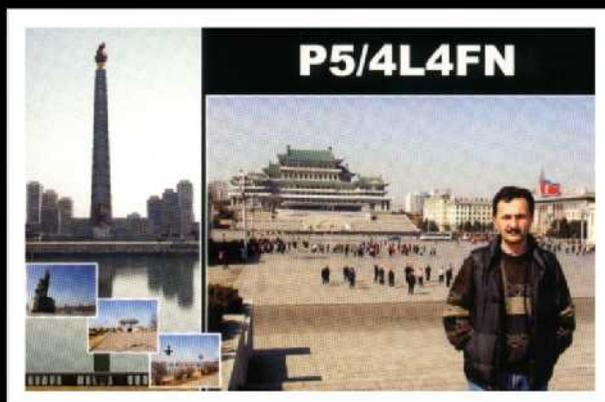
Por que fazer uma Dxpedição?

Por que fazer uma Dxpedição?

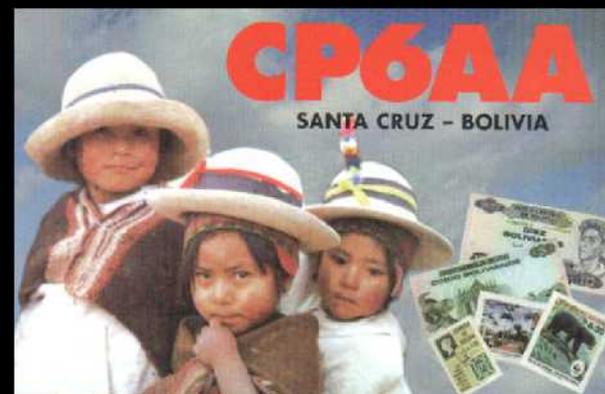
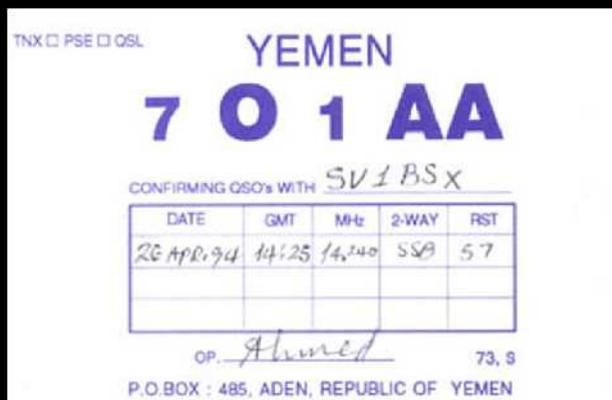
- 1) Para a emoção de ser um DX
- 2) Alterando o tipo de pileup
- 3) Para testar minha estação em forma portátil (de emergência muito útil)
- 4) Para ouvir “obrigado pelo multiplicador,” e “obrigado por o novo país” uma e outra vez

Que es um DX?

No DXCC



Num concurso



Mas que concurso?



¿Você deseja “correr” um pileup de EUA?



¿Você quer “domar” um pileup europeu?



¿Ou você prefere “dançar” um pileup japonês?



¿Ou prefere uma competição global?



¿Ou prefere uma competição global?



Que compõem o grupo?

K3LR – ARRL Phone 2011 Primeiro do mundo M/M



“A melhor parte deste hobby é a PESSOAS que se encontram e as amizades muito tempo perto que acontecer como resultado.” Tim Duffy K3LR

HC8N - CQ WPX PHONE 2003
Primeiro do mundo, recorde mundial M/M



O elemento humano é o mais importante da DXpedição

XE1RCS

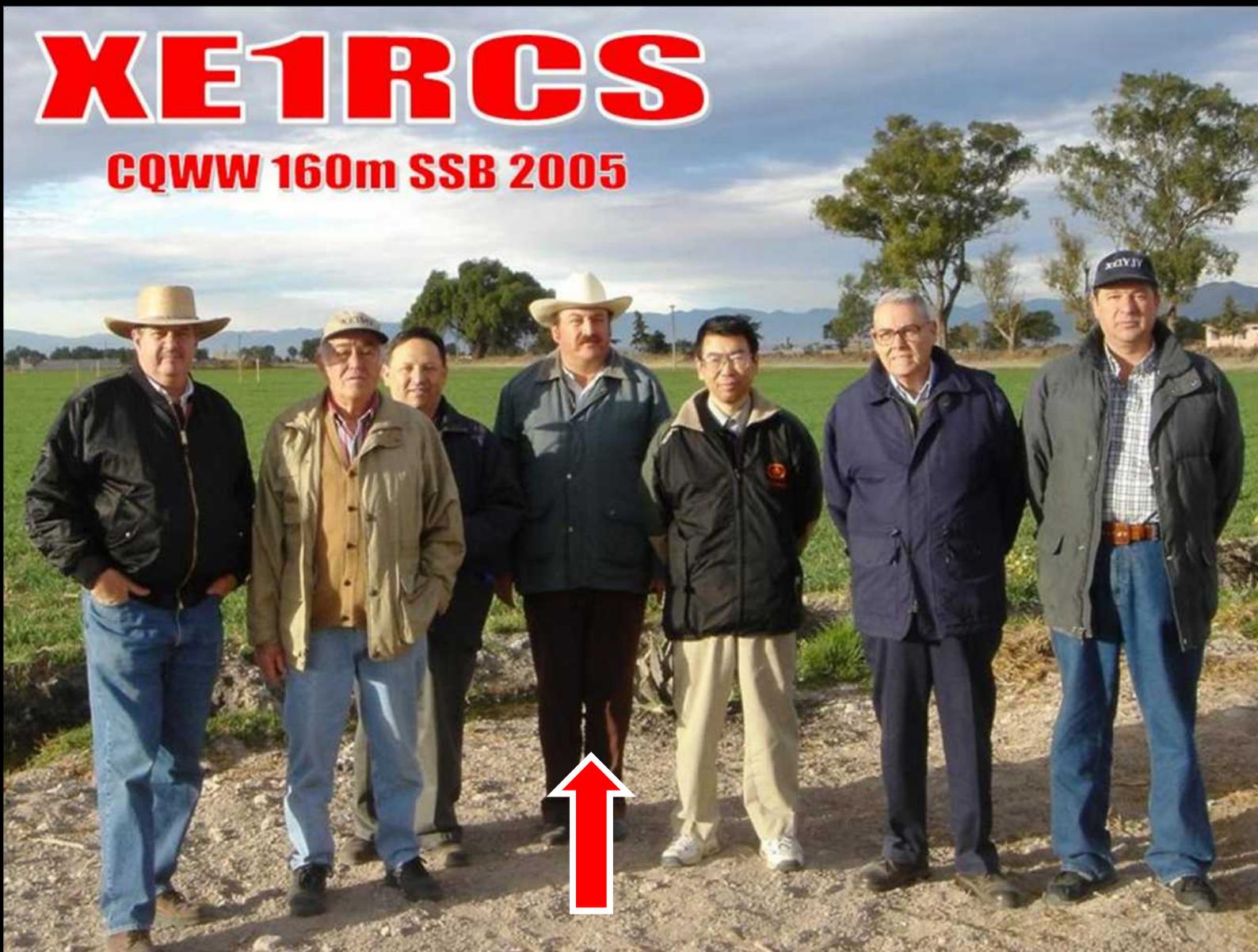
CQWW 160m SSB 2005



Uma boa equipe aproveita os pontos fortes de seus membros

XE1RCS

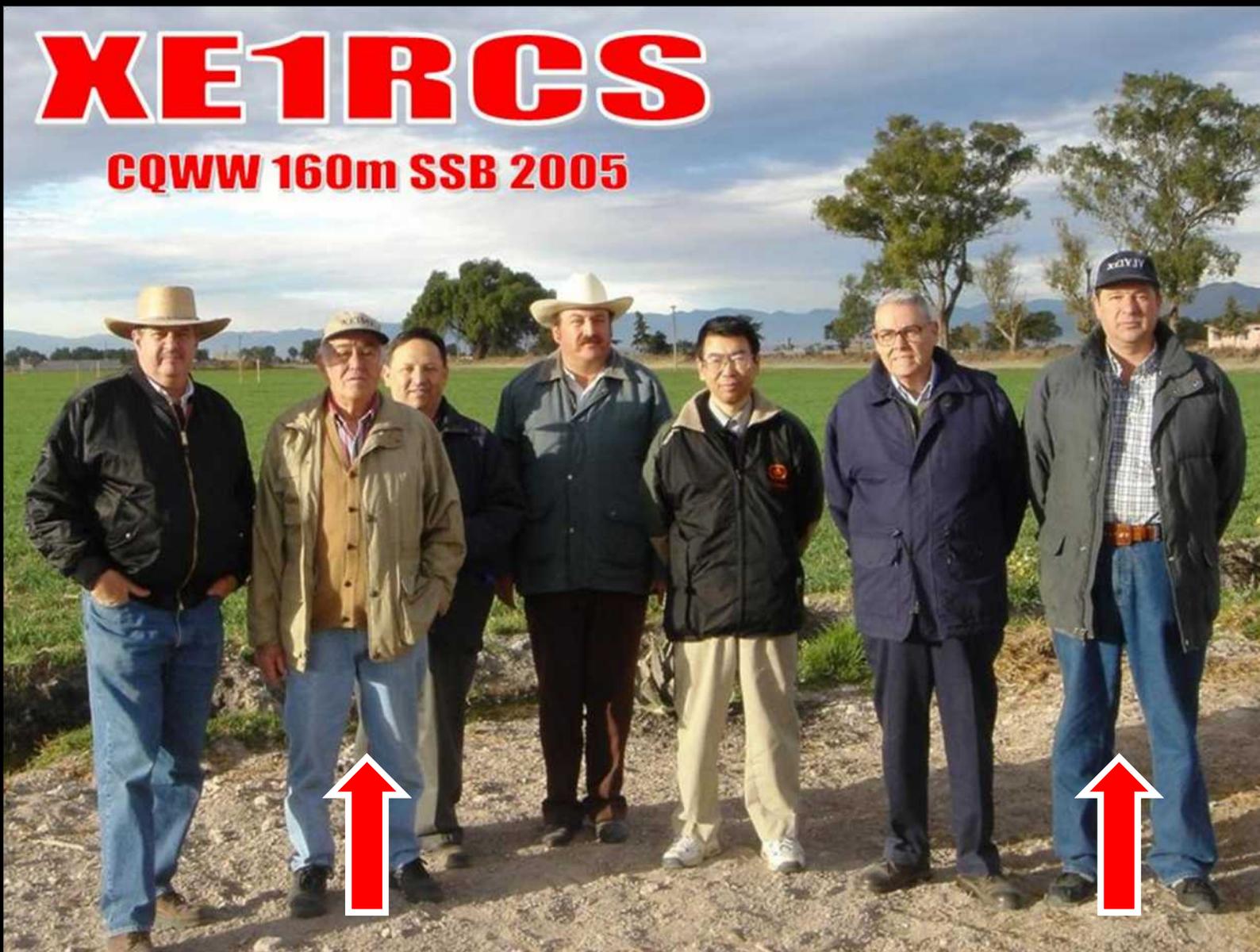
CQWW 160m SSB 2005



Proprietário do rancho: Victor Mazutti

XE1RCS

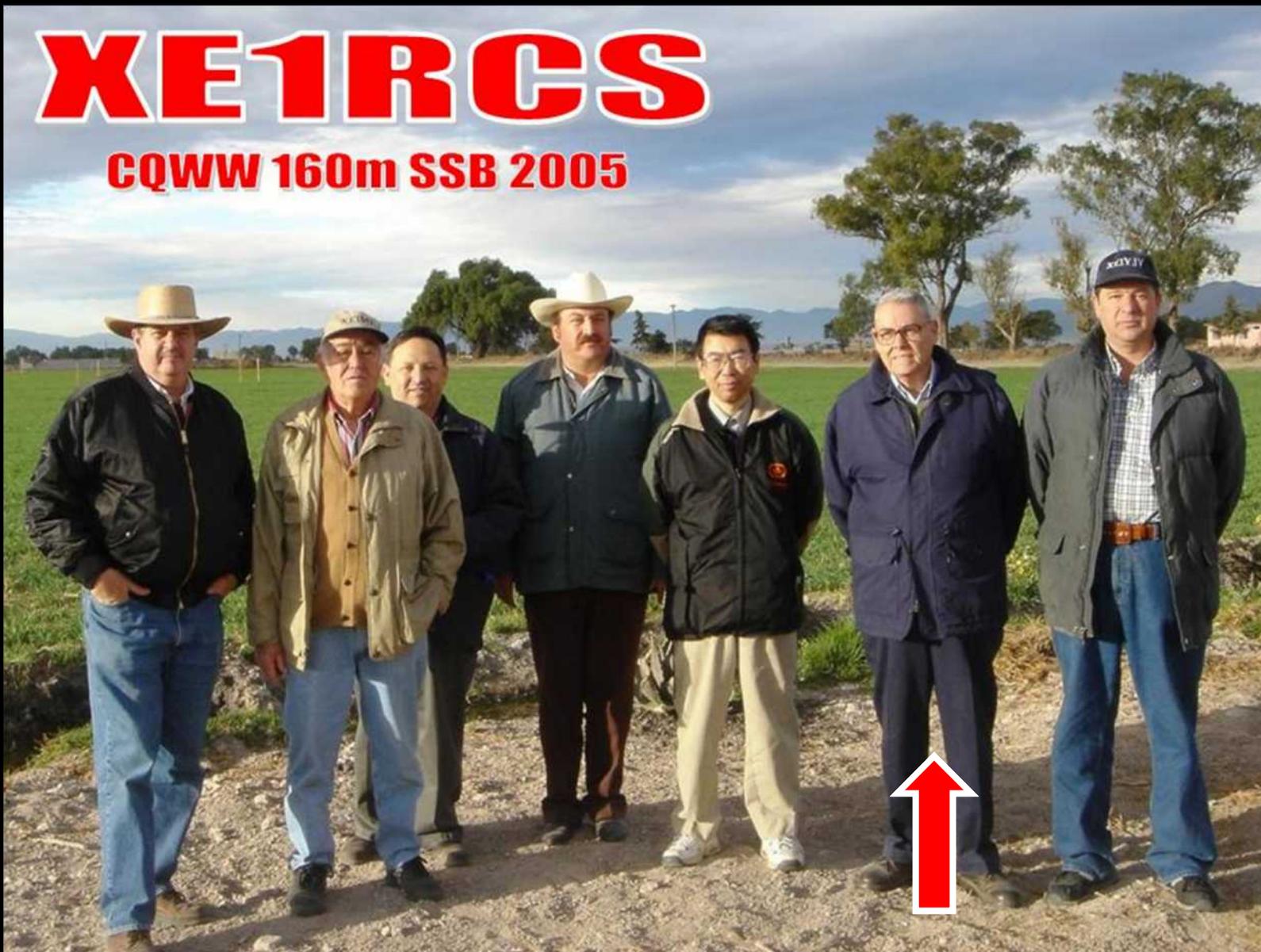
CQWW 160m SSB 2005



Organização e logística: XE1ME & XE1YJY

XE1RCS

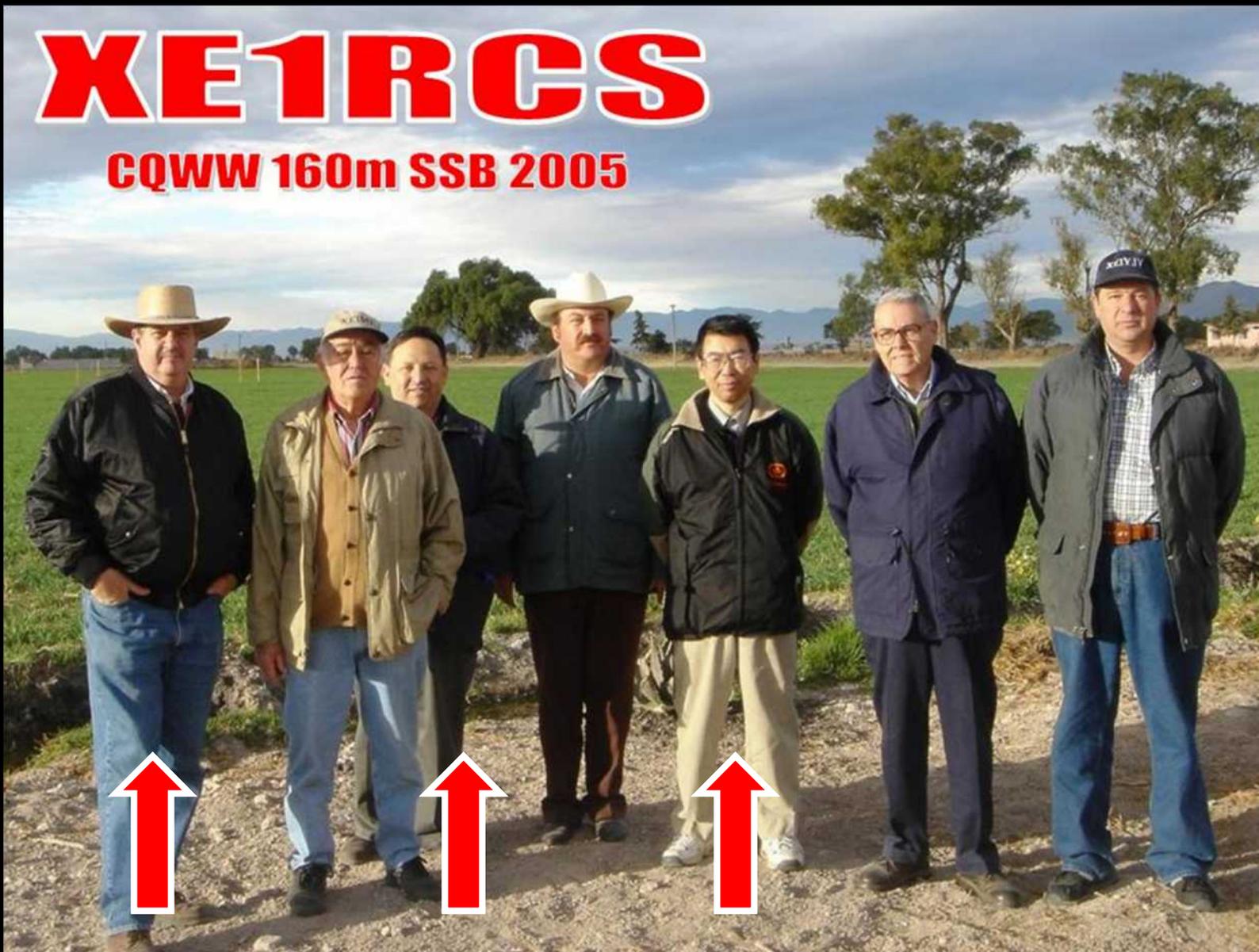
CQWW 160m SSB 2005



Tech Guru: XE1JG

XE1RCS

CQWW 160m SSB 2005



Operadores: XE1VIC, XE1KK & XE1MM

ES9C
CQWW Phone 2000



Conhecer e compreender o objetivo é essencial

ZX5J (PP5JR)

9K2HN

A73A (K5GN)



Doha, Qatar 2010

Se você tiver a oportunidade de escolher..
procure o melhor dos melhores!

CE4CT – CQ WW PHONE 2010



O resultado é importante...
mas mais importante são os amigos

DXpedição em concurso, onde?



CQ World-Wide WPX Contest

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[All Categories](#)
[Overlay: Rookie](#)
[Overlay: Tribander/Single Element](#)
[Club Competition](#)

Score Records

Record Filter

 Select Continent/Country to View

Data following the category are: callsign (operator), year of operation, total score, and number of prefix multipliers. Click on the category to view other high scores for World.

CQ WPX Contest Score Records for World

SSB (1975 - 2010)

Category	Call	Year	Score	WPX
Multi-Operator				
Multi-Multi	EB8AH	2010	62,470,800	1,665
Multi-Two	HC8GR	2010	52,450,389	1,497
Multi-Single	5D5A	2010	36,669,952	1,532
Single Operator - High Power				
High ALL	CN2R (W7EJ)	2010	27,059,084	1,373
High 10M	D44AC (4L5A)	2002	15,707,401	1,123
High 15M	ZD8Z (N6TJ)	2005	17,129,112	1,196
High 20M	CN2R (W7EJ)	2008	15,778,840	1,199
High 40M	CN2R (W7EJ)	2005	14,724,696	931
High 80M	CN2R (W7EJ)	2006	11,849,076	894
High 160M	CN2R (W7EJ)	2007	1,613,955	399
Single Operator - Low Power				
Low ALL	P40A (KK9A)	2008	15,484,383	1,051
Low 10M	J64AS (N9AG)	2000	9,449,193	949
Low 15M	VC3M (VA3MM)	2000	5,365,405	839
Low 20M	IB4M (I4ABF)	1995	5,125,020	916
Low 40M	HI3TEJ	2009	2,869,380	570
Low 80M	YT1AD (YU1AU)	2005	1,268,064	504
Low 160M	YM0T (TA2RC)	2005	486,846	222

CW (1979 - 2010)

Category	Call	Year	Score	WPX
Multi-Operator				
Multi-Multi	HC8N	1999	54,697,072	1,264
Multi-Two	EF8M	2007	33,324,192	1,256
Multi-Single	CT9M	2008	24,125,802	1,182
Single Operator - High Power				
High ALL	EF8M (RZ3AZ)	2010	18,395,154	1,026
High 10M	ZX5J (IV3NVN)	2002	6,787,440	857
High 15M	ZX5J (IV3NVN)	2005	7,061,000	920
High 20M	UP2L (UA9BA)	2009	7,928,886	1,043
High 40M	3V8CB (YT3W)	2010	10,758,020	805
High 80M	TM5Y (F8DBF)	2008	1,983,366	567
High 160M	IH9/OL5Y	1998	341,068	182
Single Operator - Low Power				
Low ALL	CT3EE (DF4SA)	2003	9,401,532	826
Low 10M	LU1FAM	2003	2,448,497	593
Low 15M	SU9ZZ	1999	4,905,189	711
Low 20M	H23W (5B4WN)	1992	3,635,494	614
Low 40M	HA8DU	2006	3,071,844	684
Low 80M	3V8SS (Z33F)	2008	959,812	332
Low 160M	TA2RC (TA2RC)	2008	258,480	180

CQWW Phone All Time Country Records

[8R](#) [9Y](#) [CE](#) [CE0Y](#) [CE0Z](#) [CE9](#) [CP](#) [CX](#) [FY](#) [HC](#) [HC8](#) [HK](#) [LU](#) [OA](#) [P4](#) [PJ2](#) [PY](#) [PY0F](#) [PZ](#) [VP8/m](#) [VP8](#) [YV](#) [ZP](#)

PY -- Brazil

High Power

Band	Call	Score	QSO's	Zones	Countries	Year
A	ZX2B	5,402,175	3,996	112	363	2007
28	ZX5J (PP5JR)	3,322,230	5,392	39	183	1998
21	ZX5J (PP5JR)	3,181,696	5,264	37	175	1997
14	ZZ5EG (N5FA)	1,647,820	2,980	39	149	1987
7	ZW5B	473,850	1,115	33	117	1990
3.7	PV8DX	102,439	429	20	69	2007
1.8	PV8DX	882	27	5	13	2002

CQWW Phone All Time Country Records

[BR](#) [9Y](#) [CE](#) [CE0Y](#) [CE0Z](#) [CE9](#) [CP](#) [CX](#) [FY](#) [HC](#) [HC8](#) [HK](#) [LU](#) [OA](#) [P4](#) [PJ2](#) [PY](#) [PY0F](#) [PZ](#) [VP8/m](#) [VP8](#) [YV](#) [ZP](#)

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[PJ2](#)
[PY](#)
[PY0F](#)
[PZ](#)
[VP8/h](#)
[VP8](#)
[YV](#)
[ZP](#)

CP -- Bolivia

High Power

Band	Call	Score	QSO's	Zones	Countries	Year
A	CP6AA (OH0XX)	1,753,644	2,140	101	216	1998
28	CP6EL	495,732	1,553	28	81	1983
21	CP5FP	64,940	339	24	44	1970
14	CP1GF	208,196	581	34	90	1970
7						
3.7						
1.8						

CQWW Phone All Time Country Records

[8R](#) [9Y](#) [CE](#) [CE0Y](#) [CE0Z](#) [CE9](#) [CP](#) [CX](#) [FY](#) [HC](#) [HC8](#) [HK](#) [LU](#) [OA](#) [P4](#) [PJ2](#) [PY](#) [PY0F](#) [PZ](#) [VP8/h](#) [VP8](#) [YV](#) [ZP](#)

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1.8						

Será possível fazer mais de 339 QSOs HP em 15 metros desde CP?



CQ WW

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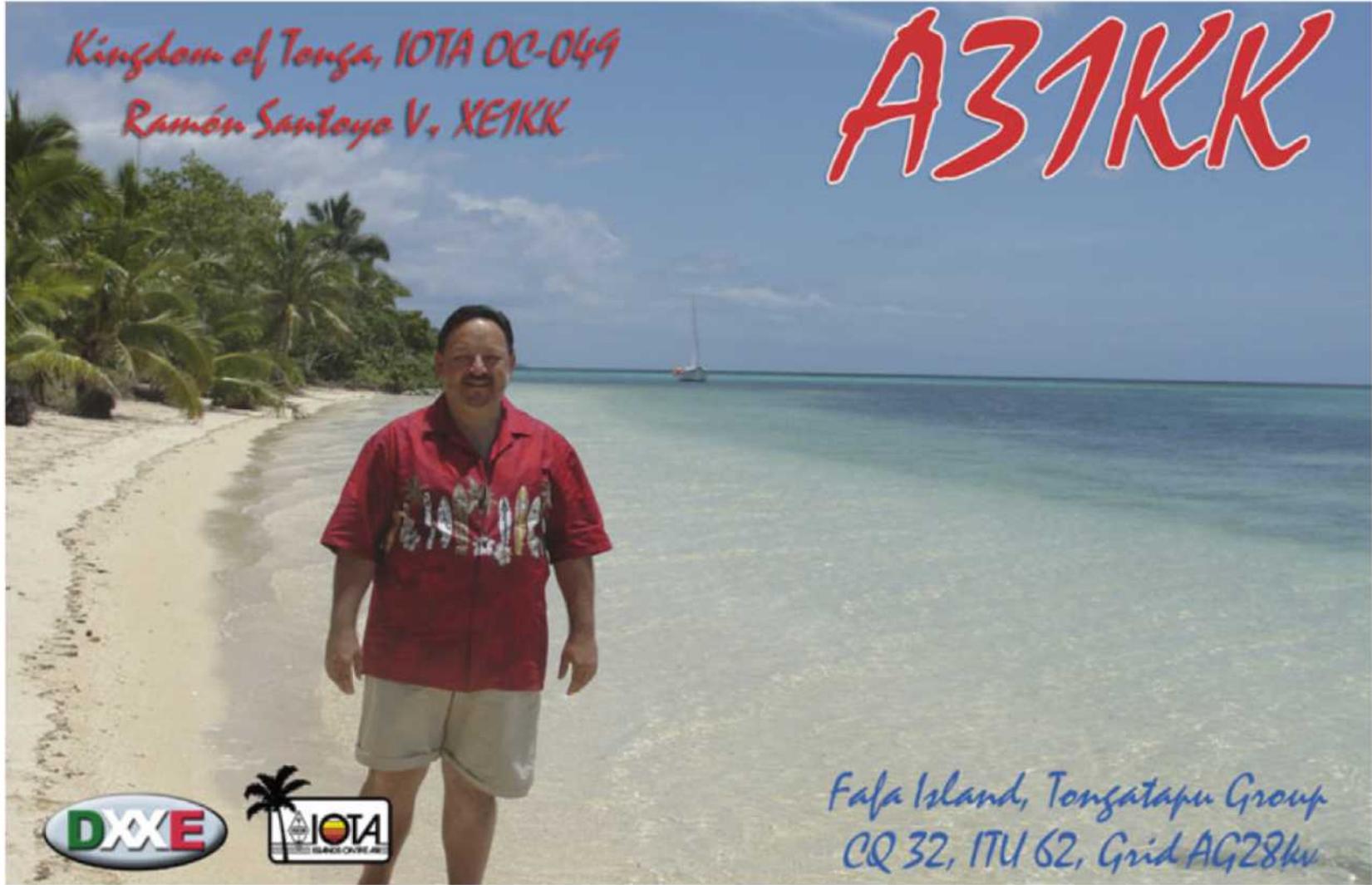
History

CQWW Phone All Time Country Records

A3 -- Tonga

Low Power

Band	Call	Score	QSO's	Zones	Countries	Year
LA						
L28						
L21	A35RK	340,466	1,491	27	56	2007
L14						
L7						
L3.7						
L1.8						



A31KK – CQWW Phone 2009



CQ WW

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CQWW Phone All Time Country Records

A3 -- Tonga

Low Power

Band	Call	Score	QSO's	Zones	Countries	Year
LA	A31KK (XE1KK)	523,824	1,141	59	109	2009
L28						
L21	A35RK	340,466	1,491	27	56	2007
L14						
L7						
L3.7						
L1.8						



CQ WW

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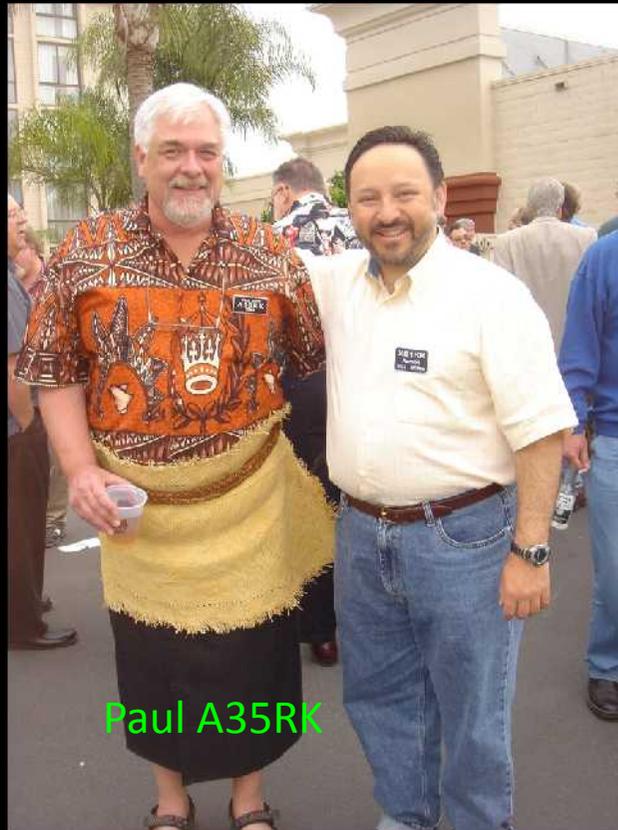
A3 -- Tonga

Low Power

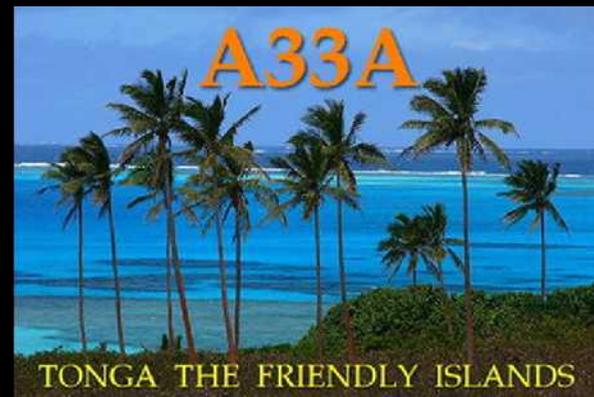
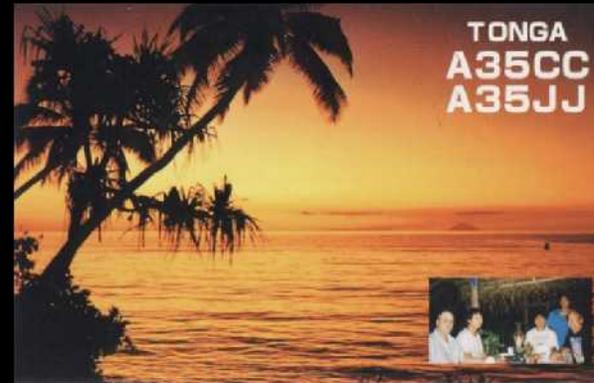
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L21	A35RK	340,466	1,491	27	56	2007
L14						
L7						
L3.7						
L1.8						

E onde eu operar?

Quem me diz onde a operar?



Radioamadores locais



Anteriores DXpedições



DX HOLIDAY

The Ultimate DXpedition Resource!



Home

DXpedition
Resources

North America

South America &
Antarctica

Europe

Africa

Asia

Oceania

Fellow Ham Radio DXpeditioner:

This website offers a starting point for people looking for a QTH for a DXpedition, Contest Expedition, or IOTA Expedition!

The information contained in these pages has been collected from hams who have recently operated from these locations. To get started on your "DX Holiday", *click on the ["DXpedition Resources"](#)* for information to help plan your DXpedition.

I need your input to make this site better! To add or change information, use the [Feedback Form](#).

Happy DXpeditioning! Kenny K2KW [About the author, K2KW...](#)
Check out my personal site: www.k2kw.com for vertical antenna info

Updated: July 23, 2005 (Red). Others added/updated in May.

[New Rent-a-QTHs in:](#) PZ, CN, HK, 6W, 4Z5, KL7, V3, EA, ZL, VK (lots of new 3 point locations!)

[New Ham friendly locations:](#) NA: 6Y, FP, J7, HI EU: CU, 3A, OE, 9H OC: A3, 5W, V7, T30, VK9X, 3D2, ZK2 AF: S7

[Information Updates:](#) J7, ZK2, KP2, V2, YV0, OE, VP9, V4, 3D2, C6, P4, VP8, SM, VK3, 5W, P4, HI, 9M6, V6, HR, K, EA8, VP2V, 7Q, ZC4, TA, VK4, T7, ZF, ZK1, 8Q, KH8, VP5

[Rent-A-QTH's Gone QRT:](#) ZL1DD, VP5B, KH0, HP, HR

3B8 - Mauritius



Rent-a-QTH: 3B8CF's QTH. Upstairs apartment that can support 2 couples, or 2 single guys. Antennas: Cushcraft A4S, WARC beam for 12/17, rotary dipole for 40/30, and wire dipole for 80m. You must bring your own rig (power limit is 100w!), but power supply is available in the shack. Unfortunately, the 15m 3rd harmonic falls right on TV channel 4, and causes interference (presumably with neighbors) - thus 15m is generally not usable. Jacky, 3B8CF also has an apartment near the beach with an R7 vertical on the roof. For more information, contact Jacky, 3B8CF at Email: 3b8cf@intnet.mu

General information on Mauritius and obtaining a license can be found on DL6UAA's web page WWW.DL6UAA.DE and/or www.hamradio-mauritius.com. Included on his web page are the addresses of many 3B8 hams. You can also try contacting:

MAURITIUS AMATEUR RADIO SOCIETY (MARS)

NO 6 ,SHASTRI ROAD

CANDOS

QUATRE BORNES

MAURITIUS

TEL:(230) 4245866 (check for country code)

FAX:(230) 4245866 (check for country code)

MARS website at: WWW.QLS.NET/MARS

E as licenças?

Recommendation T/R 61-01 (Nice 1985, Paris 1992, August 1992, Nicosia 2003)

CEPT RADIO AMATEUR LICENCE

Recommendation proposed by the "Radio Regulatory" Working Group (RR)

Text of the Recommendation adopted by the "Electronic Communications Committee" (ECC):

INTRODUCTION

The Recommendation as approved in 1985 makes it possible for radio amateurs from CEPT countries to operate during short visits in other CEPT countries without obtaining an individual temporary licence from the visited CEPT country. Good experience with this system is gained.

The Recommendation as revised in 1992 has the aim to make it possible for non-CEPT countries to participate in this licensing system. The appropriate provisions for this are found mainly in the new Appendices III and IV. The original Recommendation had to be adapted slightly, but it retains the same applicability within CEPT as before.

The Recommendation as revised in 2003 reflects the outcome of WRC-03 concerning Article 25 of the ITU Radio Regulations. The mandatory Morse code requirement has been removed and the number of amateur classes has been reduced from two to one.

"The European Conference of Postal and Telecommunications Administrations,

considering

- a) that the Amateur Service and Amateur Satellite Service are Radiocommunications Services according to Article 1 of the ITU Radio Regulations and governed by other provisions of the ITU Radio Regulations as well as national regulations,

Licença CEPT

IARP

CEPT

Bilateral Reciprocal
Agreements

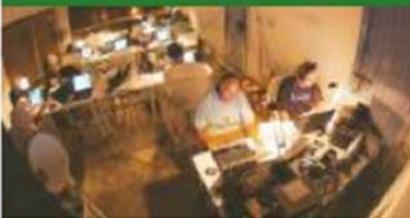
Reciprocal Permit

IARP

Maritime Mobile Operation in
International Waters

Operations FAQ

Regulatory Branch



[+ Learn More](#)

International Amateur Radio Permit --- For operation in certain countries of the Americas -- allows US amateurs to operate without seeking a special license or permit to enter and operate from that country other than the IARP. For a US citizen to operate an amateur station in a CITEL country, an IARP is necessary. According to the CITEL agreement, the IARP may be issued by a member-society of the International Amateur Radio Union (IARU)--for the US, the IARU member society is the American Radio Relay League (ARRL). The permit describes its authority in four different languages. The ARRL offers this service to US citizens for their use when they travel to CITEL countries. The ARRL provides this service on a non-discriminatory basis, at no expense to the United States Government.

[Print or download the IARP application.](#)

Classes of license/operation. For US Amateurs, there are two classes of IARPs. Class 1 requires knowledge of the international Morse code and carries all operating privileges (Technician Plus, General, Advanced or Extra class US licensees qualify for Class 1). For foreign amateurs, Class 1 is equivalent to our current Amateur Extra Class. Class 2 does not require knowledge of telegraphy and carries all operating privileges above 30 MHz. It is, therefore, equivalent to our current (codeless) Technician Class operator license. There is no equivalent Class description for the US Novice license, therefore the US Novice license is not eligible.

Participating IARP Countries: Amateurs can find a list of the countries which accept an IARP at <http://www.citel.oas.org/iarp.asp>. They are: Argentina, Brazil, Canada, El Salvador, Panama, Peru, Trinidad and Tobago, United States of America, Uruguay, and Venezuela.

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Licença IARP



The International Amateur Radio Union

Since 1925, the Federation of National Amateur Radio Societies
Representing the Interests of Two-Way Amateur Radio Communication

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[IARU Region I](#) · [Region II](#) · [Region III](#) · [Map of ITU Regions/Zones](#)

Member Societies

ALBANIA Albanian Amateur Radio Association [AARA]

Address: P.O. Box 1501, Tirana
Tel: +355 (42) 64738 <ZA1B>, (4) 368115 <ZA1D>
Fax: +355 (42) 64738 <ZA1B>
Email: g.....@atnet.com.al <ZA1B>
Chairman: Dajlan Omeri, ZA1Z
Secretary: Nikolla Dedi, ZA1D
IARU liaison: Marenglen Mema, ZA1B
Last updated: 14-Jun-2011

ALGERIA Amateurs Radio Algeriens [ARA]

Location: 7 Square Port Said, 16001 Alger
Address: P.O. Box 1, 16000 Alger Gare
Tel: +213 (21) 725013 <HQ>, +213 (24) 819682 <7X2MA>, (61) 573677 <7X2RO>
Fax: +213 (21) 725013 <HQ>
Email: 7.....@chez.com <HQ>, 7.....@chez.com <7X2MA>, b.....@hotmail.com <7X2RO>
Web: <http://www.chez.com/7x2ara>
President: Mahmoud Amokrane, 7X2MA
Secretary: Afif Benlagha, 7X2RO
IARU liaison: Secretary
Last updated: 23-Aug-2006

www.IARU.org

Worldwide Information on Licensing for Radio Amateurs by OH2MCN



The purpose of this web service is to give information to radio amateurs about how to get a license when abroad. All the major DXCC countries have been included in this service now. Thanks for this go to you, active DX travelers, and the ARRL which has done very much work in this respect during the spring and summer 1997.

My files have been collected from various sources like our League SRAL, my own files and on The Internet DX Mailing List or VE7TCP's DX Forum by [OH2MCN Veikko Komppa](#) as well as many other sources. The work started on December 1995 with the very good help from [Peter ON6TT](#) and the information below will be updated about every week. The information is as good as the information sources, i.e. the DX community. **That is you.** Hence it is important that you send your corrections, additions, comments, and amendments to OH2MCN by Emailing to [Oh2mcn at sral.fi](#).

www.qsl.net/oh2mcn/license.htm

Licensing information for Mongolia - JT

Prepared by: OH2MCN - Veke & JT1CD - N. Khosbayar & JT1CD - Khos

Status: May 2001, Sept '08

Intro: According to Mongolian regulations, foreigners visiting Mongolia may obtain Amateur Radio License to operate Mongolian Club or Individual station, if they possess a license in their home country. In case the foreigner does not hold an amateur license foreigner has to apply for a license according to the "Regulations for Amateur Radio Operations in Mongolia".

The application for license should be addressed to:

Mongolian Amateur Radio Society (MARS)

P. O. Box 830,

Ulaanbaatar-24,

Mongolia,

Asia

tel. +377 97 9 85 656 / +377 98 988 800

Fax: +976 11 315 434

Web: www.radiosport.mn

E-mail: jt1kaa@gmail.com

A copy of home country license and a photo of the applicant should be attached with the application. If the visitor intends to bring his own equipment's, he (she) should inform MARS about it in advance. Application should be written in English and SASE supplied for application form. All above documents should reach the proper Mongolian Amateur Radio Society at least 1 month before the intended visit.

Two kinds of Mongolian Amateur radio licenses are available:

1. Temporary Amateur License

- Up to 1 year

2. Basic Amateur License

- Up to 5 years

The License Fees:

- Individual Callsign: 100 USD each year.

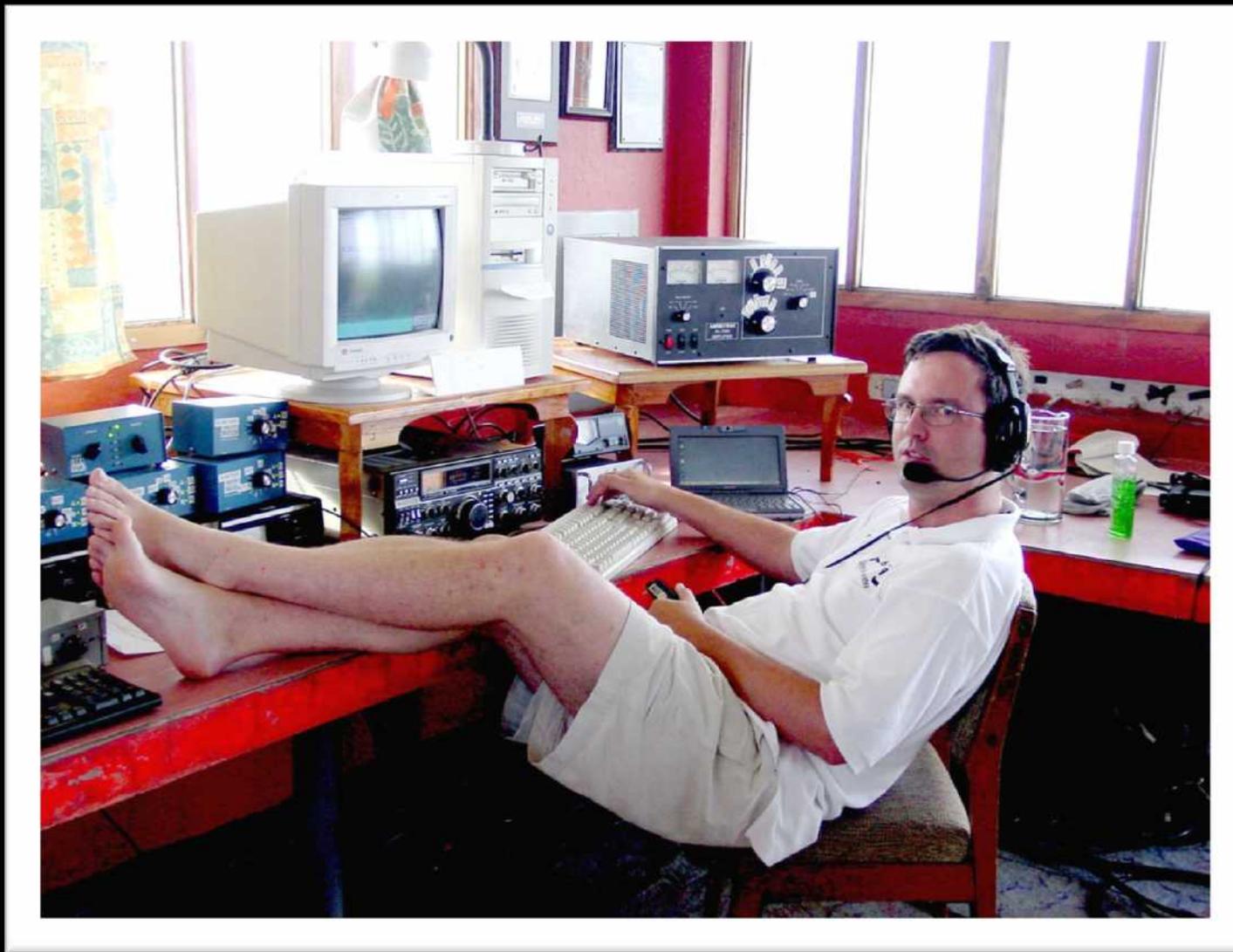
- Club Callsign: Every member of the team must pay 60 USD each year.

[FREQUENCY BANDS, CLASS OF EMISSIONS AND MAXIMUM ANTENNA POWER ALLOWED TO THE AMATEUR RADIO SERVICE IN MONGOLIA](#)

Oh2mcn at sral.fi

www.qsl.net/oh2mcn/license.htm

Objetivo



Um radioamador com uma mente clara: Trey, N5KO/HC8N

**SOUTH GEORGIA
SOUTH SANDWICH ISLANDS
JAN-FEB 2002 DXPEDITION**



"NO MORE MR. KILOWATT"

Expedition Goals

1. Blitz-style operation, with quick setup and dismantle
2. Work a lot of guys
3. Live to tell the story
 1. Be prepared to leave the island on 4 hours notice
 2. Eliminate anything that doesn't contribute directly to survival and to working lots of guys
 1. Web sites
 2. Web logs
 3. Pilot stations
 4. "Promises"
4. Achieve above with <1000 lbs of gear

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Equipamento

VP8THU

SOUTHERN THULE
SOUTH SANDWICH ISLANDS

59°27' SOUTH 27°25' WEST

OPERATORS:

E151Q, E16FR, HB9ASZ, KØIR, K4UEE, K5TR,
N5KO, PA3FOA, VE3EJ, W3WL, W7EW & 9V1YC

QSL VIA VE3XN



"NO MORE MR. KILOWATT"



THIS EXPEDITION WAS MADE
POSSIBLE BY A GRANT FROM
THE NORTHERN CALIFORNIA
DX FOUNDATION

VP8THU

SOUTHERN THULE
SOUTH SANDWICH ISLANDS

59°27' SOUTH 27°25' WEST

OPERATORS:

E151Q, E16FR, HB9ASZ, KØIR, K4UEE, K5TR,
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QSL VIA VE3XN



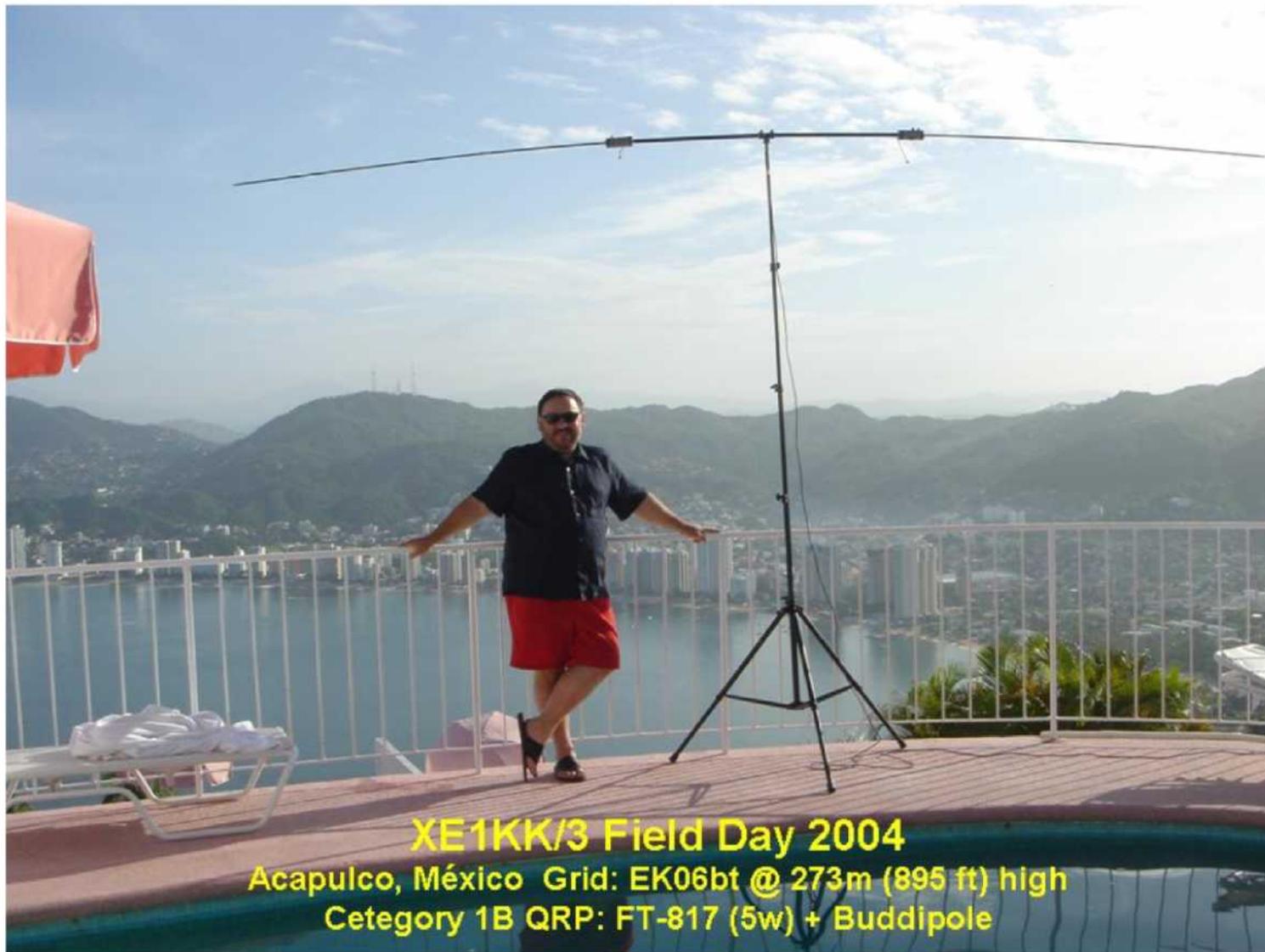
"NO MORE MR. KILOWATT"



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Expedition Goals

1. Blitz-style operation, with quick setup and dismantle
2. Work a lot of guys
3. Live to tell the story
 1. Be prepared to leave the island on 4 hours notice
 2. Eliminate anything that doesn't contribute directly to survival and to working lots of guys
 1. Web sites
 2. Web logs
 3. Pilot stations
 4. "Promises"
4. Achieve above with <1000 lbs of gear



O objetivo é fazer o concurso, não instalar uma estação

Trabalho em equipe



XX9C CQWW Phone 2006



DXpedição a um parque: 5 estações foram instaladas

2006年 XX9C 手册目录

1. 活动公告	2
2. 费用分摊原则	3
3. 集体活动时间安排	4
4. 操作员安排	5
5. 比赛各台的波段分布、位置选择、各波段的通信技巧简	6~9
6. 设备分配方案	10~14
7. 比赛过程中的即时通信备忘	15
8. 日志软件和网络的使用	16~28
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A maneira chinesa de fazer DXpedições



Divisão do trabalho perfeitamente coordenada



A liderança é essencial: BA7JA, VR2YDC e XX9BB



XX9C: exemplo de coordenação



Um jogador chave: VR2YDC



Todo mundo trabalhou duro... com exceção do mexicano!



Graças ao manual, todos sabiam que fazer



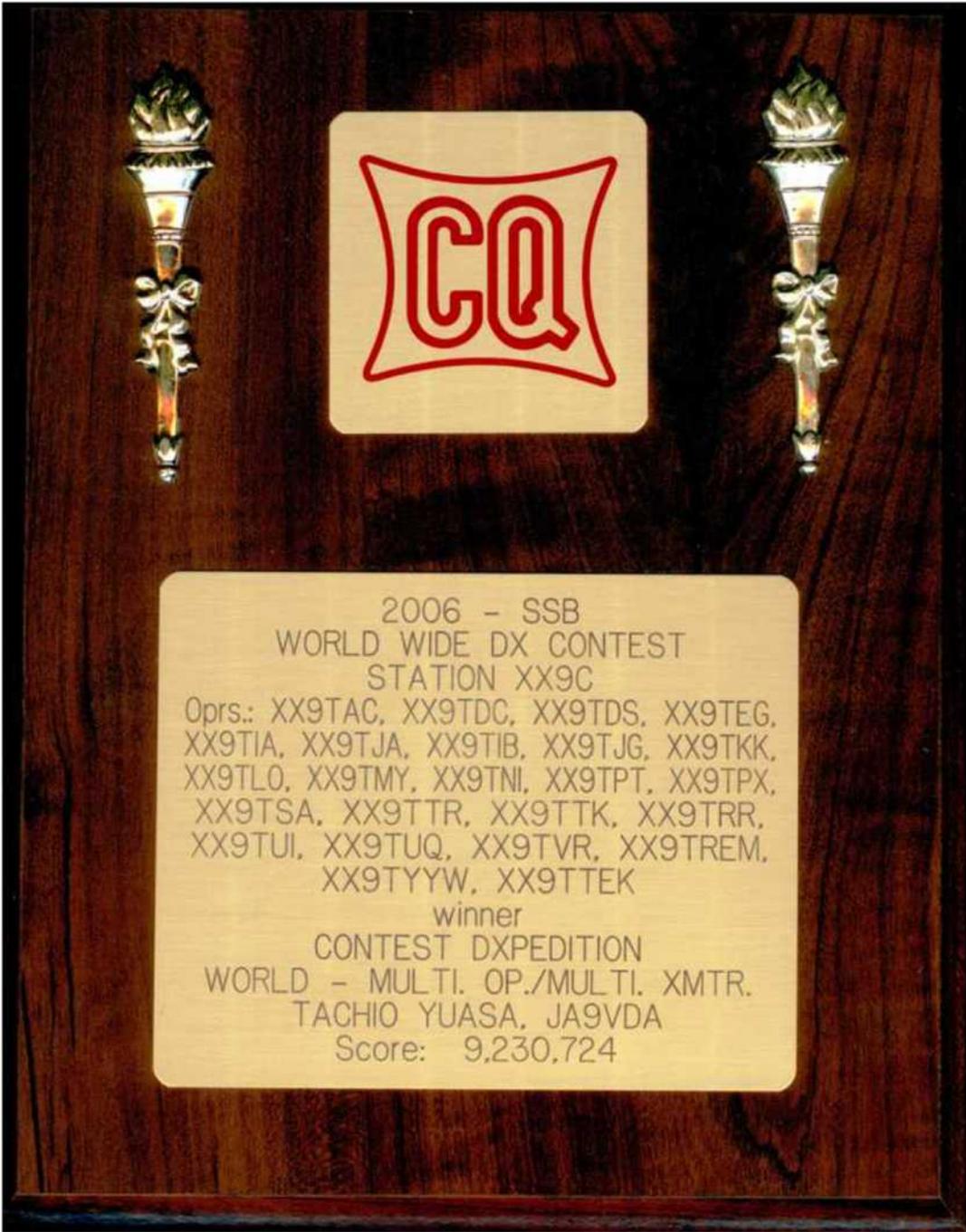
Minha foto favorita: Radioamadores feliz ganhar concursos

Resultados

“XX9C foi uma equipe de todos os chineses que fizeram um grande esforço a partir deste QTH raros. A lista operador fornece indicativos mais XX que já vi”



Agosto 2007



CQ

2006 - SSB
WORLD WIDE DX CONTEST
STATION XX9C
Oprs.: XX9TAC, XX9TDC, XX9TDS, XX9TEG,
XX9TIA, XX9TJA, XX9TIB, XX9TJG, XX9TKK,
XX9TLO, XX9TMY, XX9TNI, XX9TPT, XX9TPX,
XX9TSA, XX9TTR, XX9TTK, XX9TRR,
XX9TUI, XX9TUQ, XX9TVR, XX9TREM,
XX9TTYW, XX9TTEK
winner
CONTEST DXPEDITION
WORLD - MULTI. OP./MULTI. XMTR.
TACHIO YUASA, JA9VDA
Score: 9,230,724



CQ

2006 - SSB
WORLD WIDE DX CONTEST
STATION XX9C

Oprs.: XX9TAC, XX9TDC, XX9TDS, XX9TEG,
XX9TIA, XX9TJA, XX9TIB, XX9TJG, XX9TKK,
XX9TLO, XX9TMY, XX9TNI, XX9TPT, XX9TPX,
XX9TSA, XX9TTR, XX9TTK, XX9TRR,
XX9TUI, XX9TUQ, XX9TVR, XX9TREM,

XX9TTW, XX9TTEK
winner

CONTEST DXPEDITION

WORLD - MULTIPLEX/MULTI XMITR.

TACHIO YUASA, JA9VDA

Score: 9,230,724

Segurança: “Live to tell the story”



FP/VE7SV CQWW Phone 2004

Que exagero! Que pode acontecer!









2004 - SSB
WORLD WIDE DX CONTEST
STATION FP/VE7SV
Oprs.: VE7SV, VE7AHA, VE7CC, VA7NT,
VE7SZ, VE7VR, XE1KK, N7RO
winner
CONTEST DXPEDITION
WORLD - MULTI. OP./MULTI. XMTR.
TACHIO YUASA, JA9VDA
Score: 26,094,185



2004 - SSB
WORLD WIDE DX CONTEST
STATION FP/VE7SV
Oprs.: VE7SV, VE7AHA, VE7CC, VA7NT,
VE7S7, VE7VR, VE1KK, N7RO
winner
CONTEST DXPEDITION
WORLD - MULTI. OP. / MULTI. XMTR.
TACHIO YUASA, JA9VDA
Score: 26,094,185



HC8A - CQWW Phone 2008 – Primeiro do mundo M/S



Galápagos: Torre + Chuva + Névoa = Perigo

4C2X

ENSENADA B. C.

ARRL VHF QSO PARTY JUNE 2004

CQ ZONE 6 - ITU ZONE 10 - GRID DM11pr



OPERATORS
LEFT TO RIGHT:

XE1UN - XE1KK - XE2K - XE1NK - XE1NTT - XE2ED - N6XQ - W6YLZ

4C2X – June VHF QSO Party 2004 – Primeiro DX Multi Unlimited



Cuidado ao sol

Resumindo

Pessoas Concurso

QTH Objetivo Licenças

Liderança Segurança

Trabalho em equipe

Equipamento

Pessoas Concurso

QTH Objetivo Licenças

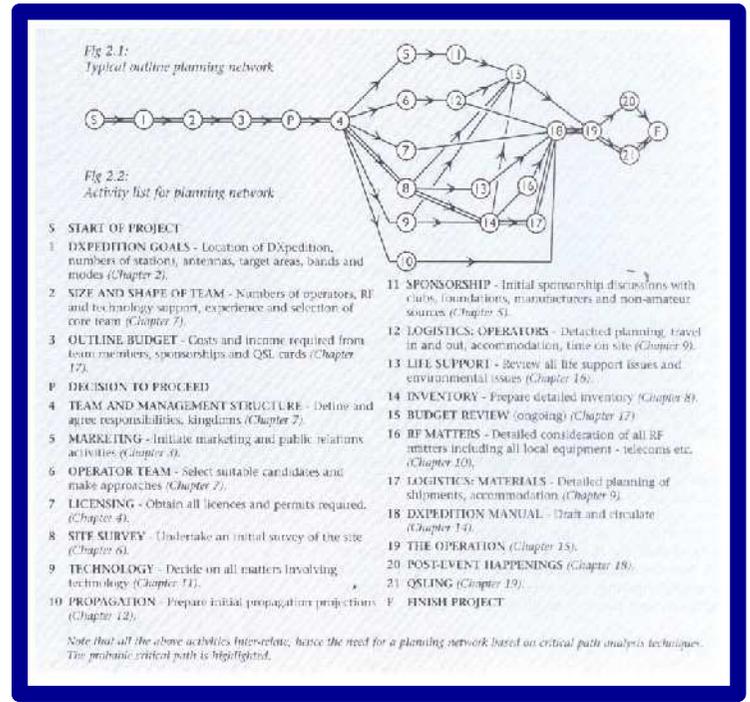
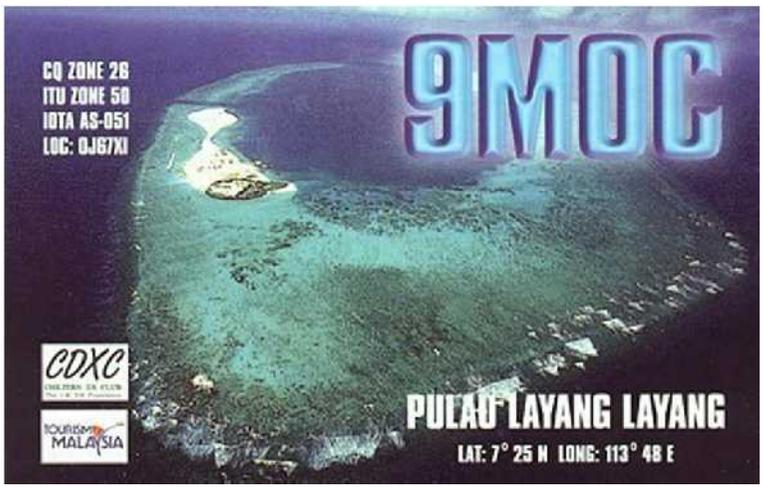
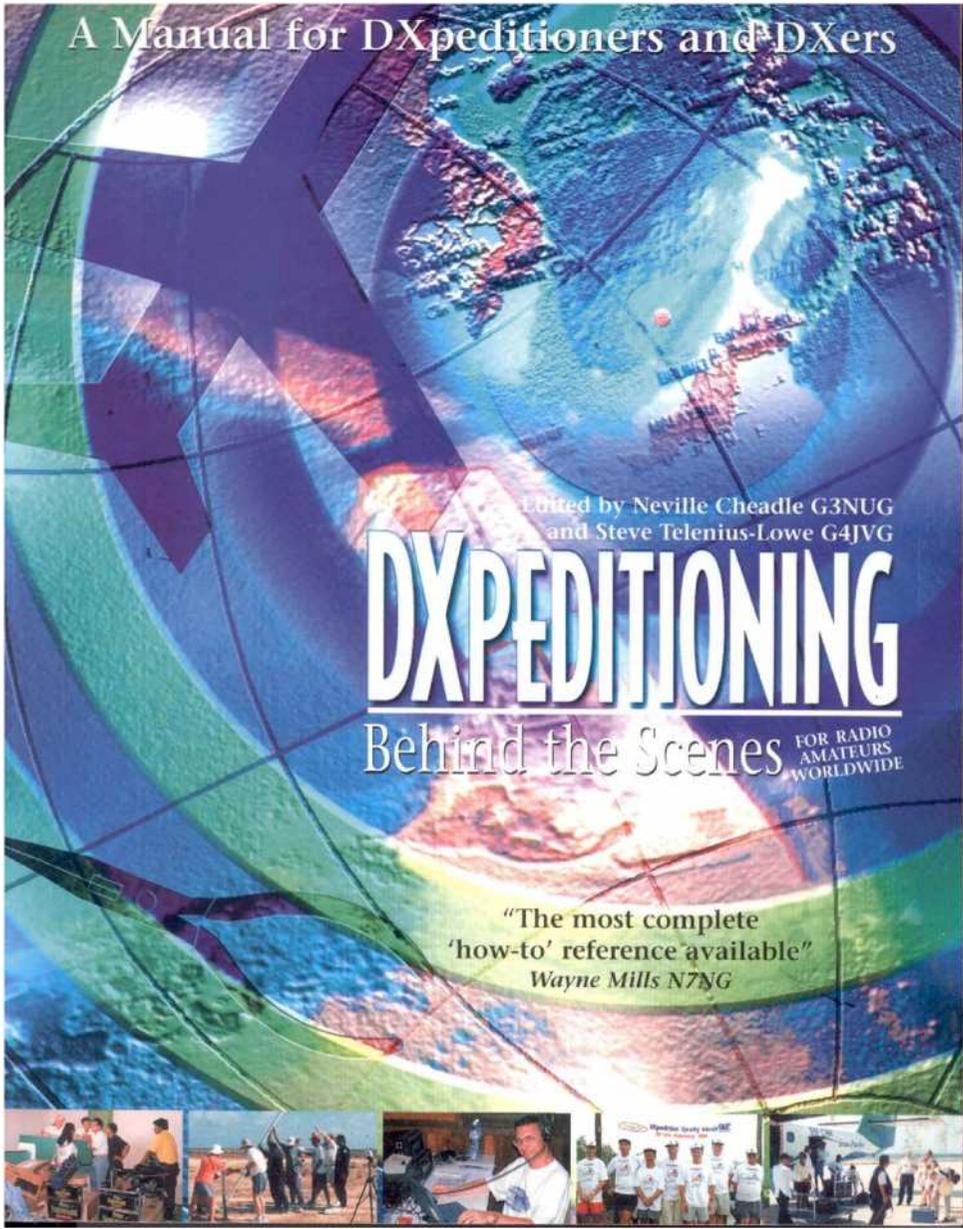
Liderança Segurança

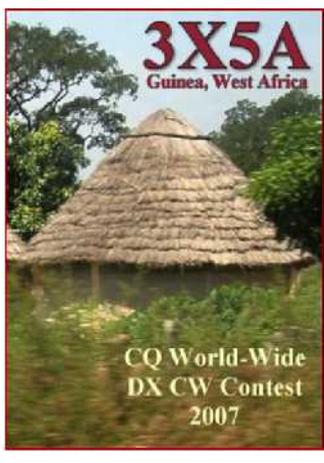
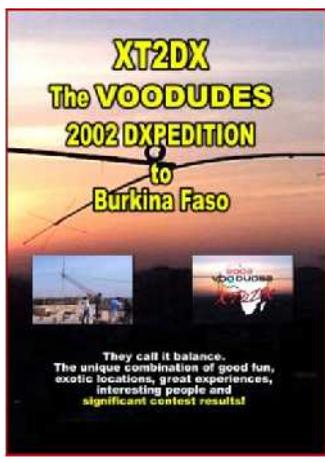
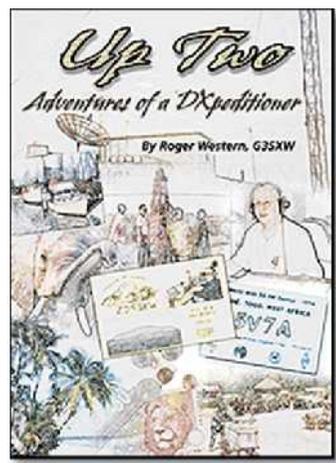
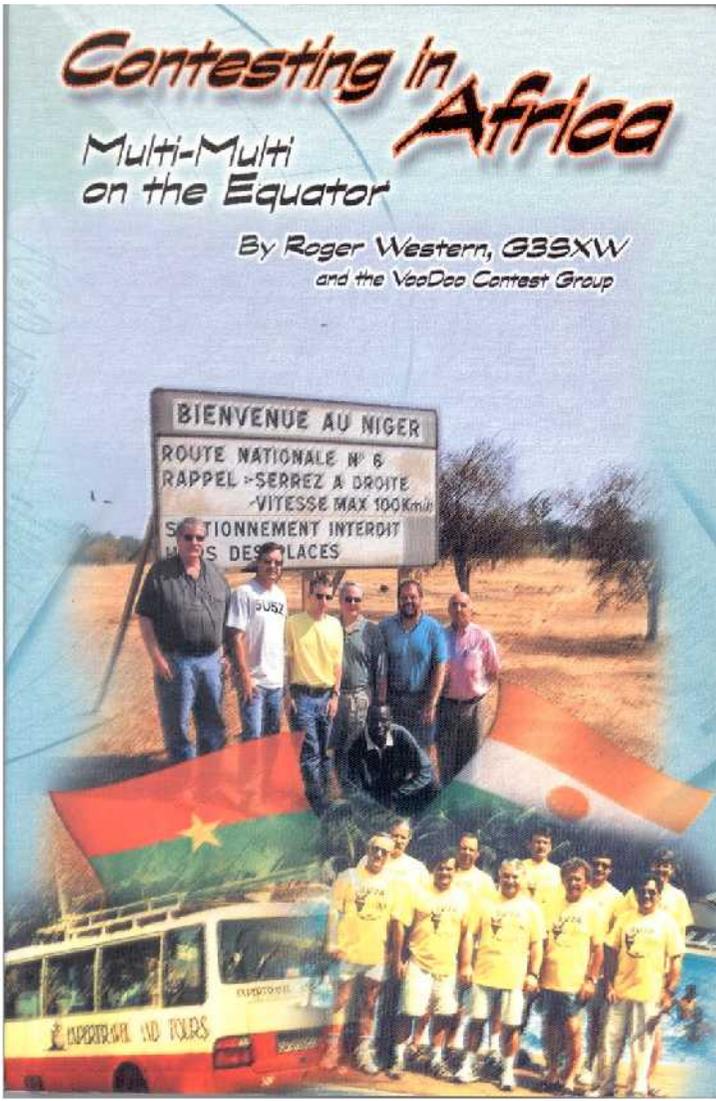
Trabalho em equipe

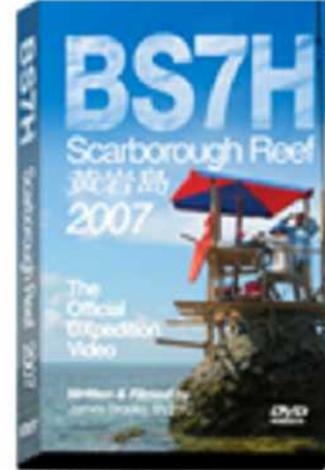
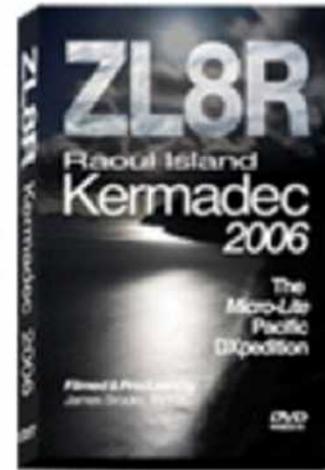
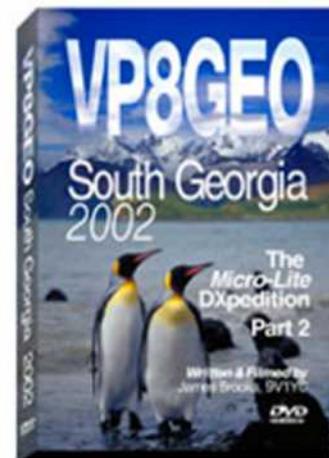
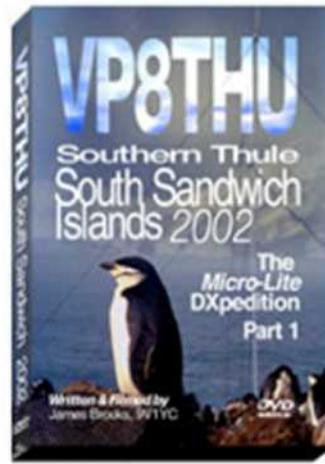
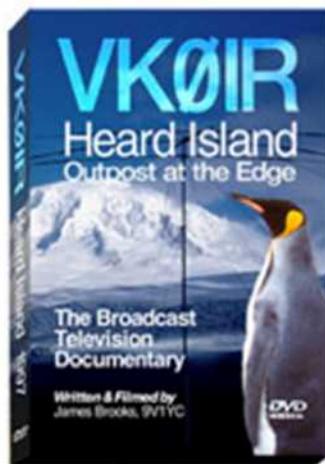
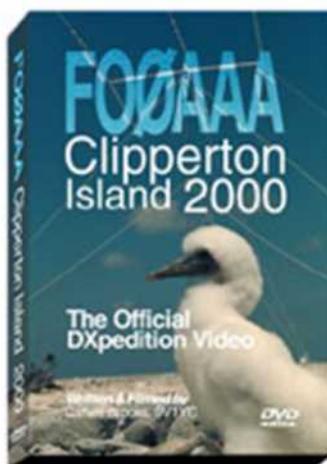
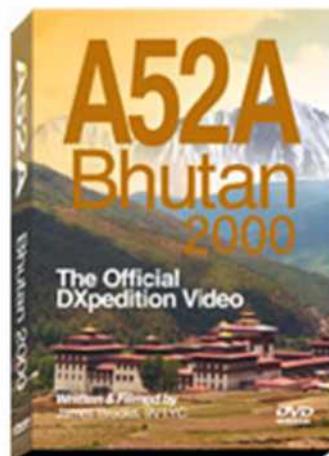
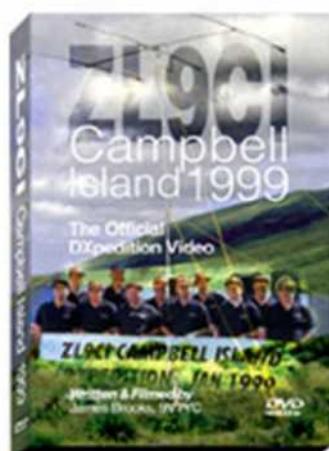
Equipamento

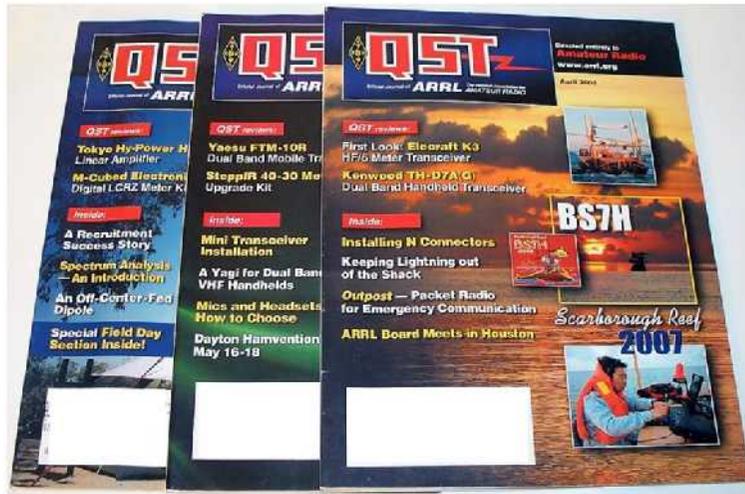
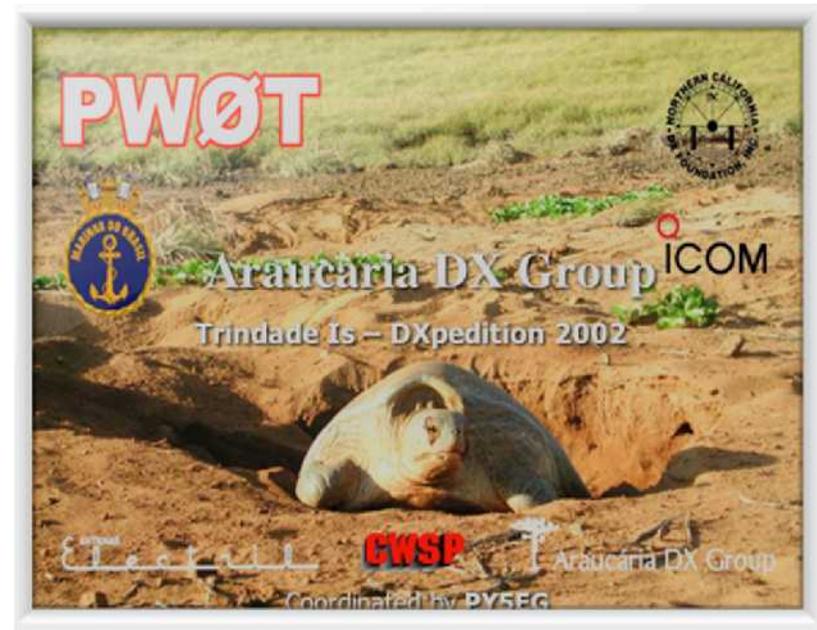
Diversão

Bibliografía











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YAHOO!®

bing™

A black t-shirt is hanging on a hanger against a white background. The t-shirt features a white text design. The text is arranged in four lines: "I don't need", "Google", "my wife knows", and "everything". The word "Google" is rendered in its signature multi-colored font, while the other words are in a plain white serif font.

I don't need
Google
my wife knows
everything



DXpedições em concursos

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