



ZR6FD logo

WATTS

06-2014

Year 84 + 6m

Monthly newsletter of the Pretoria Amateur Radio Club
Maandelikse nuusbrieff van die Pretoria Amateur Radio Klub.



PARC, PO Box 73696, Lynnwood Ridge 0040, RSA



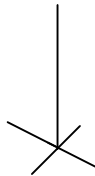
<http://www.parc.org.za> mail: zs6pta@zs6pta.org.za

Bulletins: 145,725 MHz 08:45 Sundays/Sondae

Relays: 1.840, 3.700, 7.066, 10.135, 14.235, 51.400, 438.825, 1297 MHz
Activated frequencies are announced prior to bulletins

Swapshop: 2m and 7.066 MHz Live on-air after bulletins

Bulletin repeats Mondays | herhalings : Maandae 2m 19:45



PARC Fleamarket 1 May – Field station at PMC

more photos p. 2, 6,7



In this issue

- Member news and activities Lede-nuus en Aktiwiteite
Fleamarket photos
- Technical CFL lamps - considerations Tegnies
Southern Africa Ground conductivity
Lesotho DXpedition
- Page eight -- Bladsy agt

In hierdie uitgawe

Next club events

Fleamarket at PMC

26 July 08:00

Club social at U.P.

Thursday 5 June 7:00PM

Club committee meeting

19 June 7:00PM

PARC Management team / Bestuurspan Aug. 2013 – Aug. 2014

Committee members

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Digital, photographer,sound	Theo Bresler	ZS6TVB	theo@bresler.co.za		082-698-1742

Reminder: Club Logo competition

The closing date for a new logo (without the SARL diamond) is the end of June 2014.

Let us see how creative you are.

All suggestions must be sent to the Secretary (address above)

Fleamarket views - more on p. 6



Birthdays Verjaarsdae

June

- 03 Lidia, LV van Jaco ZR6FDW
- 06 Sandy, LV van Menno ZS6AGC
- 07 Chantel dogter van Martie en JB ZR6YV
- 08 Ronel, SW van Pieter ZS6PSR
- 11 Nadia, daughter of Pat ZR6AVC and Frank ZS6GE
- 12 Erna, SW van Whitey ZS6JJJ
- 14 Hilary, daughter of Molly ZR6MOL and Richard ZS6UK
- 17 Lynette ZR6LHT



Junie Anniversaries Herdenkings

- 24 Marita en Roy ZS6MI ()

- 20 Malcolm ZR6OLM
- 22 Richard ZS6UK
- 26 Pieter ZR6PSR
- 27 Emil ZS6EGB
- 27 Selma, SW of Joe ZS6TB

Lief en Leed | Joys and Sorrows

Elsa, LV van Fritz ZS6SF moes die hospitaal kortliks besoek

Diary | Dagboek (UTC times)

June

- 07-08 Int. Open Season PSK Contest 00:01-23:59
- 07-08 IARU Region 1 CW Field Day.
- 07-08 RSGB CW Field Day
- 08 SARL ZS4 Sprint
- 14-15 Portugal Day Contest 12:00-11:59
- 17 World QRP Day
- 19-22 SARL topband QSO Party
- 21-22 All Asia DX CW Contest 00:00-24:00
- 21-22 ARRL field Day
- 28-29 HM King of Spain Contest SSB 12:00-12:00
- 28-29 Ukrainian DX Digi Contest 12:00-12:00

Be an early bird!

PARC SUBS / LEDEGELD 30-06-2014

Please remit your subs in
time to our treasurer or
by transfer to:

Betaal asb. u ledegeld
betyds aan ons tesourier
of per oorplasing aan:

Bank : FNB Ordinary members/ gewone lede R150
Branch : 25 20 45 Spouses, pensioners R50
Account : 546 000 426 73

Your call sign must appear as statement text!

Welkom aan nuwe lede:

Jaco Cronje ZR6CMG

Special Mention

We congratulate **Dave ZS6JW** on reaching his 90th birthday on 31 May. OM Dave is still active on 2m and HF. He has been a PARC member since 1946.

Congrats

ZS6PTA wins Winter QRP Sprint Contest ahead of ZS6WR and ZS2ACP.

Theo ZS6TVB came 4th place with his solo effort.

Jaco ZR6CMG wins April RADAR Contest Mobile Category.

Almero ZS6LDP passed his advanced FCC license with flying colours.

RAE: 8 candidates wrote the RAE on 15 May. In future PARC will only offer RAE courses once per year.

Charles ZS6CTO is back in Pretoria after a long stint in Natal as **ZS5CH**.

The SARL president Geoff Levey always known as ZS6GRL has obtained the new call sign **ZS6C**.

PARC AGM

Will take place on 26 July approximately 11 AM after our fleamarket that morning. Details, proxy and nomination forms are downloadable from our PARC home page Club News tab.

Another formidable restoration by Iain ZS5IE: A rare Trio 510



Lesotho Mini Expedition



The operation ran from 22 April to 1 May.

In the pic from left to right: Chris G8APB (7P8AP), San K5YY (7P8YY), Joel N5JR (7P8JR), Marco HB9OCR (7P8OC), Frosty K5LBU (7P8CF), Dick K9APW (7P8AP), Roger ZS6RJ (7P8RJ).

Neil King VA7DX (7P8NK) missed the photo. He also operated as part of the FT5ZM and also at 3DA0ET. I (ZS6RJ) was the low band guy on this one and did most of my operating on 30, 40, 80 and 160.

Locals worked on 160 include ZS6WB, ZS2DL, ZS5J, ZS6WN and ZS2CX. Perhaps everyone in ZS already had 7P8 on top band?

Equipment – a small shack setup this time – only three stations and 8 ops: Kenwood TS-590's, Expert 1K and 2K linears, 2 hexbeams, 1 Tennadyne T6 Log periodic all up at 40 feet, 1 X 70 foot vertical with 140 foot inverted L-wire off the top and 18 100 foot radials and at the base the remote MFJ 998RT 1.5kW tuner.

Antenna used for 30 to 160 metres (worked brilliantly – see <http://www.mfjenterprises.com/Product.php?productid=MFJ-998RT>)
Radiosport headsets, Scheunemann SP2 single lever keys, Rigblaster advantage interfaces, N1MM logging software.

Sponsorship: Expert Amps USA, Sam's Radio Accessories and Data Modems (all the coax and connectors), Radiosport Headsets (who also sponsored FT5ZM and will be sponsoring all the ops headsets at the upcoming 7QAA expedition), Mediterraneo DX Club, Scheunemann Morsetasten.

Comment from Roger ZS6RJ: "Just a small fun one this time, but I was quite surprised by the pile-ups. We did around 28 200 Q's. I focused on low bands and antenna testing – was nice fun. A bit chilly from time to time – there was snow on the mountains and I didn't take a jacket with me thinking it would still be all summery hi. *Bought myself a Lesotho blanket and "went local" hi.* Was nice and warm at 4AM in the radio room running 160M, I can tell you!"

The medical experts who refuse to use low-energy lightbulbs in their homes: Professors have stocked up on old-style bulbs to protect against skin cancer and blindness. So should YOU be worried?

Incandescent bulbs had been the standard form of illumination for more than a century. But following an EU directive, the Government banned the import of 100-watt bulbs from 2009. This was followed by a ban on 60w bulbs in 2011 and a full ban on all 'traditional' bulbs in 2012.

Instead of a glowing filament, low-energy bulbs have argon and mercury vapour within a spiral-shaped tube. When the gas gets heated, it produces ultraviolet light. This stimulates a fluorescent coating painted on the inside of the tube. As this coating absorbs energy, it emits light. Recent scientific evidence shows these specific rays are particularly damaging to human eyes and skin.

The most damaging part of the spectrum is the short wavelength light at the indigo/violet end of blue.

'Incandescent bulbs did not cause problems, but these low-energy lamps emit high peaks of blue and ultraviolet light at this wavelength.'

Read this interesting article on

<http://www.dailymail.co.uk/health/article-2626564/The-medical-experts-refuse-use-low-energy-lightbulbs-homes-Professors-stocked-old-style-bulbs-protect-against-skin-cancer-blindness-So-YOU-worried.html>

For ground-wave field strength prediction, it is essential to know the electrical characteristics of the ground along the path.

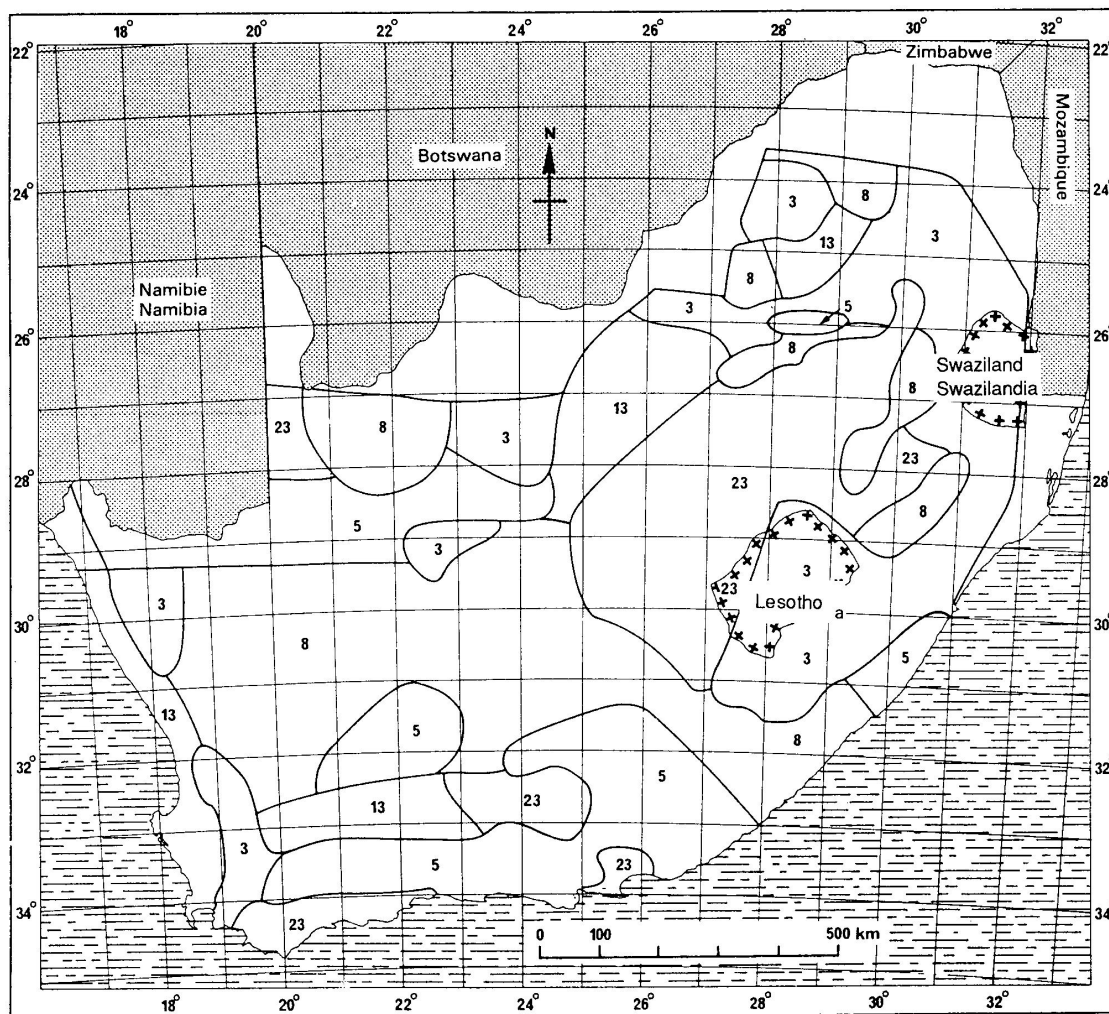
In cases involving coordination between administrations, it is therefore often necessary to know the ground characteristics existing outside national boundaries;

The most important electrical characteristic of the earth for frequencies below 3 MHz is the conductivity;

There is a need for suitable conductivity charts when planning all types of radiocommunication, including navigational services, in the VLF, LF and MF bands;

South Africa (Republic of); Swaziland (Kingdom of), Lesotho (Kingdom of)

Values in mS/m = mmho/m = 1/R per m



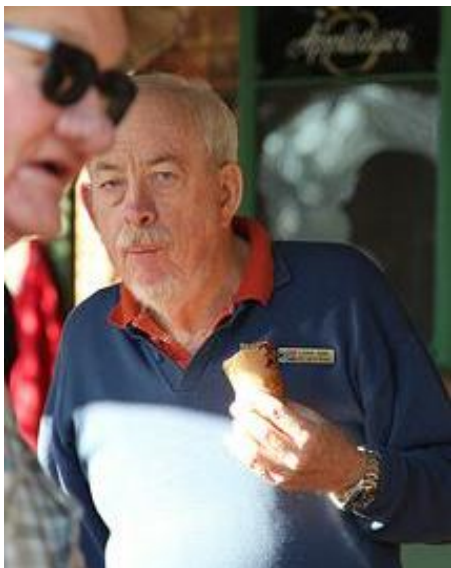
The maps for MF, Figs. 7 to 42 and Table 2, give the effective ground conductivities in mS/m. (The maps are standardized to 1 MHz.) These maps are based on measurements and other relevant information provided by the various

countries. They contain no allowance for seasonal variations.

For those areas for which results of conductivity measurements are not available, provisional information for MF use is shown in Fig. 43. It is expected that this information will be superseded by later editions of the World Atlas to

be published by the ITU.

The conductivities on the MF maps are shown as presented by administrations. For those countries not represented in the Atlas, no information has been made available.





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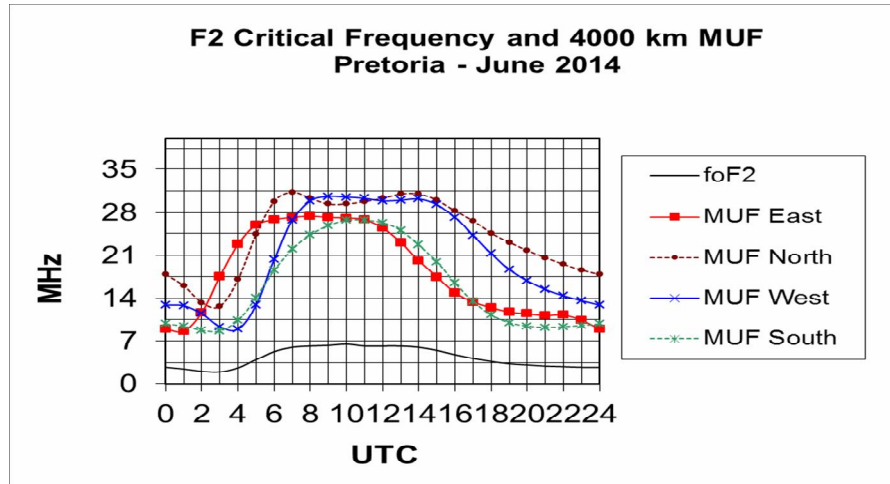
(see also our website propagation tab)

DX Operating

The graph shows the 4000 km maximum useable frequency (MUF) to the East, North, West and South from Pretoria for the first hop using the F2 layer.

Local Operating

The F2 critical frequency (foF2) is the maximum frequency that will reflect when you transmit straight up. E-layer reflection is not shown.



*You know your kids have grown up when:
Your daughter begins to put on lipstick..
Or when your son starts to wipe it off...*

*Laugh and the world laughs with you,
Snore and you sleep alone...*

*Success Is relative.
The more the success,
The more the relatives...*

*If your wife wants to learn to drive,
Don't stand in her way...*

*Smoking helps you lose weight ...
One lung at a time!*

Getting caught is the mother of Invention...

A Roman walks into a bar, holds up two fingers, and says "Five beers please!"

Helium walks into a bar. Barman: "Sorry: we don't serve noble gases here!" He does not react.

A friend who's in liquor production
Has a still of astounding construction:
The alcohol boils
Through old magnet coils.
He says that it's proof by induction.

SHAME... here is a different approach to your heartstrings.....

Hello,

My name is Elena Lvovna and I am 59 years old. I live alone in a small house in a village 200km from Moscow. **My hobby is listening to radio from all over the world on short waves. I have several old radios.**

I take care of 16 cats and 2 dogs. All of them were abandoned by malicious people and they live with me in my house.

Recently due to my age I lost work and now I have only monthly pension from government, which is very low. I cannot feed all my cats and dogs with my limited resources and cannot abandon them.

If you are also not indifferent to the the plight of homeless pets, I hope that you can help to my cats and dogs with food (canned and dried) and other necessities. Please write me back and I give you our postal address.

I wish you a good day and I hope for your reply.

Elena Lvovna.