



ZR6FD logo

Drukwerk ZS6UK
Papier / Paper ZS6UK

WATTS

05-2014

Year 84 + 5m

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



PARC, PO Box 73696, Lynnwood Ridge 0040, RSA



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

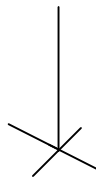
Bulletins: 145,725 MHz 08:45 Sundays/Sondae

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



April 2014 SASOL RALLY– PARC radio assistance – PARK radio bystand

Die wenner Leroy Poulter met Dienkie, LV van Pierre Britz ZR6ADZ (more on page 6)



In this issue

- Member news and activities Lede-nuus en Aktiwiteite
- Rally radio assistance pix
- Technical SARL QRP contest pix Tegnies
- ZS6RJ ladder mast to the sky
- Page eight -- Bladsy agt

In hierdie uitgawe

Next club events

Fleamarket at PMC
Thursday 1 May

Club social at U.P.
None for May

Club committee meeting
15 May 7:00PM

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

Committee members

Chairman, Contests, Liason	Pierre Holtzhausen	ZS6PJH	zs6pjh@telkomsa.net	012-655-0726	082-575-5799
Vice Chairman, SARL liason	Fritz Sutherland	ZS6SF	fritzs@icon.co.za	012-811-3875	083-304-0028
Secretary	Jean de Villiers	ZS6ARA	zs6ara@webmail.co.za	012-663-6554	083-627-2506
Treasurer, SARS	Andre van Tonder	ZS6BRC	andre.vtonder@absamail.co.za	361-3292	082-467-0287
Motorsport, Social	Johan de Bruyn	ZS6JHB	zs6jhb@gmail.com	012-803-7385	079-333-4107
Web co-ordination	Graham Reid	ZR6GJR	greid@wol.co.za		083-701-0511
RAE, Bulletin co-ordinator	Vincent Harrison	ZS6BTY	zs6bty@telkomsa.net	012-998-8165	083-754-0115
Repeaters	Craig Symington	ZS6RH	zs6rh@hotmail.co.za		081-334-6817
Fleamarket	Alméro Dupisani	ZS6LDP	almero.dupisani@up.ac.za		083-938-8955
Clubhouse	Pieter Fourie	ZS6CN	pieter2@vodamail.co.za	012-804-7417	083-573-7048
Club activities	Richard Peer	ZS6UK	zs6uk@peer.co.za	012-333-0612	082-651-6556

Co-opted/Geko-opteer:

Auditor	Tony Crowder	ZS6CRO	tcrowder@telkomsa.net	011-672-3311	
WATTS newsletter/Kits	Hans Kappetijn	ZS6KR	zs6kr@wbs.co.za	012-333-2612	072-204-3991
Historian, Archives, Awards	Tjerk Lammers	ZS6P	zs6p@iafrica.com	012-809-0006	
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)

QRP Sprint met PARC

Deelnemers: Pierre ZS6PJH, OK Raymond ZS6ALG, Craig ZS6RH, Jaco ZR6CMG, Andre ZS6GCA, Darryl ZS6DCM.
Besoekers was OK Frits ZS6SF en Evan ZS6ELI.



'N Totaal van 37 QSO's is gemaak waarvan 32 op foon en 5 op gelykgolf soos ons hier kan sien met OK Raymond ZS6ALG wat die sleutel pomp. Tans word die finale tellings uitgewerk om voor te le aan die SARL.

Birthdays Verjaarsdae

May

- 01 Amanda, daughter of Martie and "JB" ZR6YV
- 10 Roy ZR6RV son of Marieta and Roy ZS6MI
- 11 Zdena, SW of Ivo ZS6AXT
- 14 Johannes ZS6BPB
- 17 Vincent ZS6BTY
- 18 Karen, daughter of Pat ZR6AVC and Frank ZS6GE
- 23 Lily, SW of Harry ZS6AMP
- 25 Tjerk ZS6P



Mei Anniversaries Herdenkings

- 01 Ria and Peter ZS6PJ (43)
- 04 Ronel en Pieter ZS6PSR (4)

- 26 Vitor ZS6VG
- 31 Gawie ZS6GJJ
- 31 Dave ZS6JW (90)

Lief en Leed | Joys and Sorrows

Diary | Dagboek (UTC times)

May

- 01 **PARC Fleamarket at PMC**
- 04 **SARL ZS3 Sprint**
- 03-04 10-10 Int Spring Contest. CW 00:01-23:59
- 10 **AWA AM and SSB Contest**
- 10-11 CQ-M Int DX contest 12:00-11:59
- 15 **RAE**
- 17-18 HM King of Spain Contest CW 12:00-12:00
- 17-18 EU PSK DX Contest 12:00-12:00
- 24-25 CQWW WPX Contest CW 00:00-24:00
- 25 **SARL Digital Contest 13:00-16:00**

Be an early bird!

PARC SUBS / LEDEGELD 30-06-2011

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:

nil

'n Weerligstraal het Pieter ZS6RSA (seun van ZS6OB) se Cell Wave 2m antenna kom toets. Die foto toon hoe die weerlig die antenna gemodifiseer het.! Gelukkig was die antenna voerkabel van sy stel ontkoppel.

SARL AGM appointments and awards to our members

Fritz ZS6SF was elected Vice President.

Jean ZS6ARA received the Jack Twine Merit Award for unselfish, clean operating and a genuine interest in Amateur Radio despite visual impairment.

Pine ZS6OB received the Arthur Hemsley 2m Trophy for his EME , tropo and DXCC achievement.

Mark ZS6USA is returning to South Africa. See his letter on page 7. Please help him with the info he needs to his email.

Ed ZS6UT had plenty QRN from this broken insulator



STAIRWAY TO HEAVEN Phase 1 Roger ZS6RJ's latest project

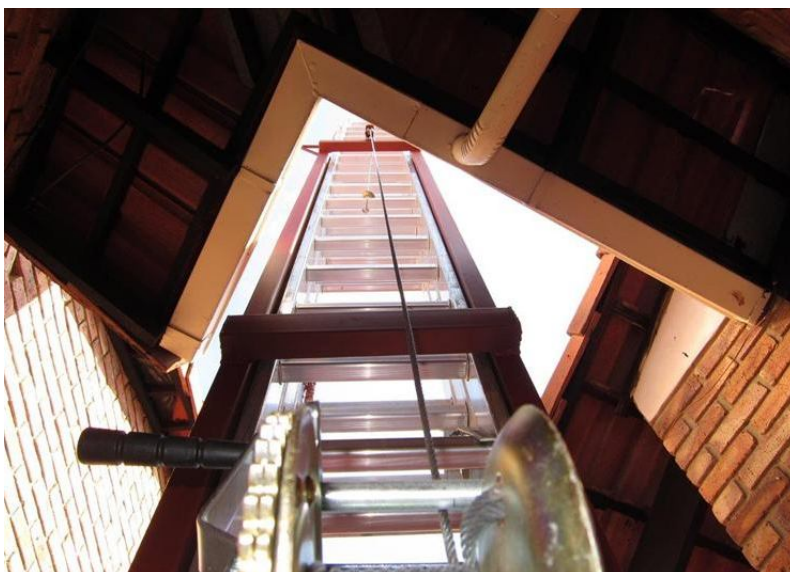
This is a very large heavy duty ladder that wouldn't look out of place on the back of a New York fire truck. Three X 8 metre sections that when fully extended give 20 metres (you lose 4 metres on the overlaps of course).

That's 65 feet of fun. Rated for a 130Kg static load on the top unguyed in a vertical position, the guy ropes are actually just acting as "stay ropes" to keep it from swaying too much in a wind. There's very little tension on them or downward compression required on the ladder.

For a test I attached the driven element of my 30/40 metre two element beam. To put it in perspective in the picture, that antenna element is 40 feet long, currently up at 50 feet. You'll note the top element of the ladder is not yet extended, and there's another 10 feet of the middle section available. The entire structure is adjustable in 40 cm increments from 24 feet up to 65 feet. The homebrew "loader" section ensures that one man can raise and lower this ladder tower in around 10 minutes, including cranking it over flat on the ground. Very useful in case of electrical storms. The system comprises 4 winches and two pulleys for ladder extension. The ladder is aluminium and weatherproof.



Another advantage is the ladder is hinged up by means of a steel pole through the lowest rung. This can easily be insulated with rubber or hose to completely isolate the tower from ground for loading as a low band vertical. Once I have completed the rotator cage and bearings there will be a 4 metre mast at the top supporting the 30/40m beam and an 8 element log P. This will allow for a 77 foot vertical with top loading provided by the antennas for 80 and 160 metre operation.





Phase 2 The tower is now complete. T2XD rotator in the top two metres of my homebrew steel tower, modified to fit the ladder. With a new Yaesu bearing up top. Converted the tilt-over winch to an electric one. So now all you do is push a button, tilt it upright, and then crank it up on the hand winch next to it. Which is so easy it's not worth putting a powered winch there. I'm up at 60 feet with the 30/40 antenna again. Awesome DX rolling in on those two bands at that height.



Some more Sasol Rally pix



Dienkie op haar pos as Marshal



Elvina en Pierre ZR6ADZ



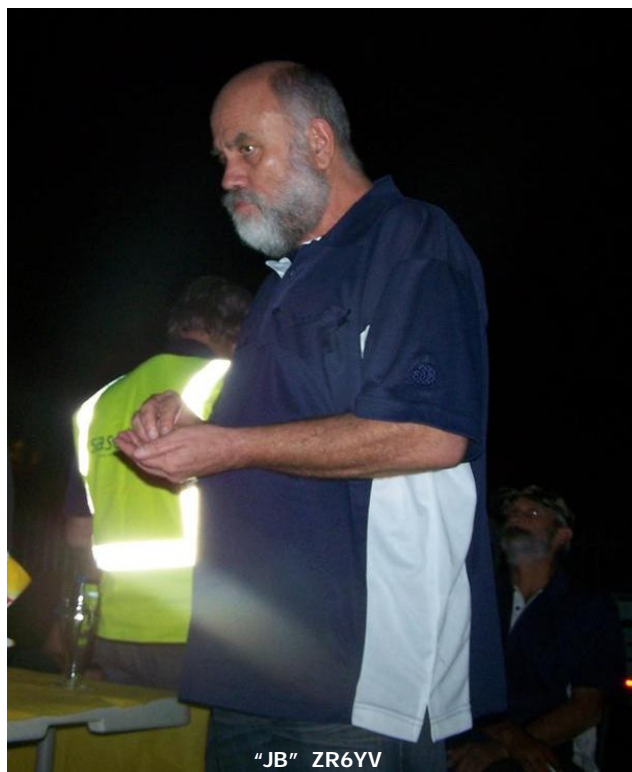
John ZS6JAO and SW



Pieter ZS6CN en LV



Johan ZS6JHB en Doreen ZR6DDB



"JB" ZR6YV

Letter from Mark ZS6USA. *To all members: Give info where you can to his email below*

ZS6USA will be returning to South Africa in August.

I will be in Johannesburg this time since that's where the RIMC has moved to. I already have a house assignment in Morningside.

Can someone sent the repeater locations (I lost their coordinates), so I can start figuring how big of an Antenna Farm I'm going to need. I really need to do a tower, but.....

How are the repeaters doing, I was reading that you're having some interference problems? We have some roof space on the Consulate Building so I'm thinking about setting up a Repeater at the Consulate; it should be a good location for a stand-alone 20w UHF repeater to cover a 5 to 10 mile radius.

My daughter, Ice, will be coming with with me. I still can't get her to study and sit for a License. She plans on going to school, I told her the program must have "of Science" and not "of Arts" on the end of it. (LOL)

I noticed that the exchange rate is pretty good (for me). I'll probably look for a better car, maybe a BMW Station Wagon this time, lots of them here in Germany and their great on the highway. Ice likes Jeep Patriots. Maybe we will compromise on a Land Rover. My tour this time will be 3 years. I'll ship the scooter down again too.

My newest interest in HF Radio has become Magnetic Loops. Living here in Europe and having a Condo in Florida, both are the land of no antennas, I've needed smaller stealthy antennas. I have a MFJ Loop in the Condo and it impressed me big time. One of the first projects I'm planning for SA will be a 3 meter diameter loop for 80 and 40 meters. The other project will be a small mobile trailer for a Field Day station, with a "400" watt HF amp. (He, he, he, he, he)

Since I was very limited here in Germany, I've been doing a lot of Mobile ops. My Ford Ranger, which is on its way to Florida since its LH Drive, has a complete Kenwood APRS TM-D710A rig with AV MAP Geosat 6, and a Kenwood TK-90 ALE with Targetuner and HI-Q Piranha antenna. When I get to the US, I'll put a CB in it for Highway cruising. APRS and ALE are big here in Europe and in the USA. I'm debating on pulling the equipment out of the Ranger and bringing it to SA. How much APRS and HF ALE are people doing in South Africa?

I also plan on setting up the NCDXF Beacon Monitoring station again and putting the data up on the Web. How is Internet in SA? I hear you can get up to 40 Mbps now?

Looking at the PARC Swap Shop, it looks like the club is still healthy. I see a good combination of Digital technology and DIY projects. Looking at club news I see we are still at the University. Are we having regular meetings or just Social Events? I also see there is a Flea Market in Early August, That's perfect!

Since I can't seem to get my daughter interested in "radio" maybe she will help with the Website and News Letter??? She's been doing some Website work here in Germany, I'll let her know about the Club Logo Competition. Are there any Club Colors? Is there a Color limit, like to the basic 64 color palette used in comic books for easy printing. Should the logo be designed to have both Web impact (very visual) and Polo Shirt impact (stitchable)? Maybe even designed for patches, coins, and buttons.

Both of us are looking forward to Jo'Burg!

73, Mark ZS6USA marklukinovich@yahoo.com

C/O NELSPOORT & 801 MALMESBURY STR, WINGATE PARK, PRETORIA [S25.49.36 & E28.16.07]

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Contact Hans at 012-333-2612 or 072-204-3991

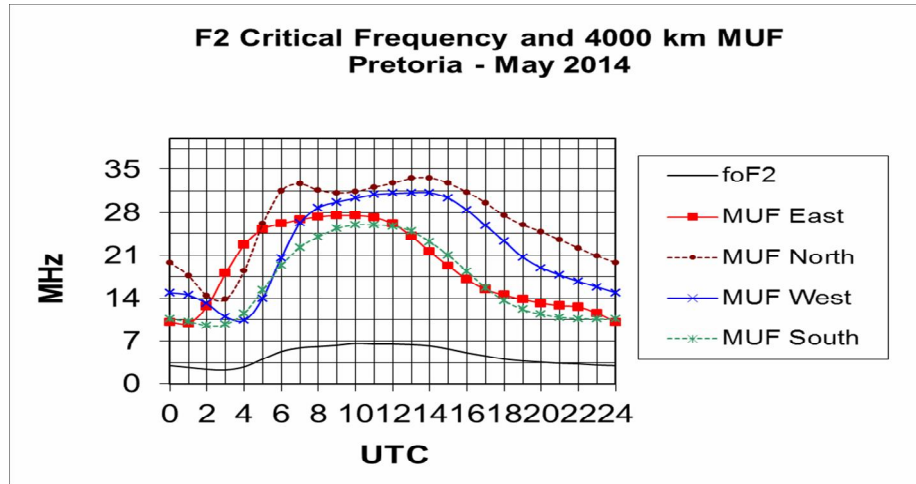
(see also our website propagation tab)

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.



LARGEST ELECTRONIC BRAIN FOR S. AFRICA

The largest electronic “brain” yet made in Western Europe for doing routine office work will soon be in use for the first time. The first two models are to be exported, one to South Africa and the other to Sweden. Both have been bought by life insurance companies.

For more than two years Ferranti designers and engineers have been working on this electronic digital computer at their laboratories in Berkshire. Called Perseus, each machine will cost about £300,000.

The first application of Perseus by the insurance companies will be for keeping thousands of policy records. It is, however, not limited to insurance work because it can do any of the routine work in a large office: control stock, forecast sales, prepare invoices and work out pay.

The unusual feature of this “electronic clerk” is that it works like a human clerk directly with letters and numbers, no matter what the language or currency. Time is not lost in converting them into a form normally necessary for a computer to understand. (British Enterprise).

“I think there is a world market for maybe five computers” .
Thomas Watson, Chairman of IBM, 1943

“There is no reason for any individual to have a computer in his home”.
Ken Olson, president, chairman and founder of Digital Equipment Corporation (DEC), in a talk given to a 1977 World Future Society meeting in Boston.

“The “telephone” has too many shortcomings to be seriously considered as a means of communication”. The device is inherently of no value to us”.
Western Union internal memo 1876.

“X-rays will prove to be a hoax”.
Lord Kelvin, Royal Society president 1883

“Television won’t last because people will get bored staring at a plywood box every night.”
Darryl Zanuck, movie producer 1946.

