



WATTS 2020-01

Year 90 + 01m

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> zs6pta@zs6pta.org.za



Bulletins : 145.725 MHz : Sundays from 08h45 / Sondag vanaf 08h45

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

Swo pshop : 2m and 7.066 MHz live on-air after bulletins

Bulletin repeats on Mondays / herhalings op Maandae : 2m 19h45

Pretoria Amateur Radio Club Pretoria Amateur Radio Klub Celebrating 90 Years of Amateur Radio 90-Jarige Viering van Amateur Radio



In This Issue / In Hierdie Uitgawe

PARC 2018-19 Committee- & Co-opted Members.....	P 2
Birthdays/Verjaarsdae ; Joys & Sorrows/Lief en Leed.....	P 2
PARC Bulletin Roster ; Club Fees ; Flea-Markets 2019.....	P 3
Dagboek van Gebeure / PARC Contest Participation.....	P 4
Radio Amateur Gees: 70cm Herhaler herstel.....	P 5
Rally Events 2020 ; Tydren Geleenthede 2020.....	P 6
Advertisements and HF Propagation.....	P 7

Club Meetings / Klub Vergaderings

Club Committee Meeting :

The next Meeting for the 2020/21 PARC Committee will be held on the 19th of February 2020. Venue to be announced.

PARC Committee Members : 2019 – 2020 / PARK Komiteedele : 2019 - 2020

Name & Callsign	Portfolio/s	Email Address	Tel No	Mobile No
Louis de Wet ZS6SK	Chairman, Watts, SARL, ICASA	louis.zs6sk@gmail.com	012-349-1044	072-140-9893
Graham Reid ZS6GJR	Vice Chairman, Treasurer, Website	greid@wol.co.za	012-667-2720	083-701-0511
Johan de Bruyn ZS6JHB	Rallies, Repeaters & Membership	zs6jhb@gmail.com	012-803-9418	079-333-4107
Irene Myburgh ZS6IEA	Club Secretary & Social	irene@srsa.gov.za	012-304-5109	082-462-6001
Albert Schreuder ZS6SE	Contests, Social & Taxation	albert.schreuder.za@gmail.com	012-361-6133	082-562-3825

PARC Co-opted Members : 2019 – 2020 / PARK Ge-koopteerde Lede : 2019 - 2020

Name & Callsign	Portfolio/s	Email Address	Tel No	Mobile No
Alméro Du Pisani ZS6LDP	Flea-markets, SARL Bulletins	almero.dupisani@up.ac.za	012-420-3779	083-938-8955
Tony Crowder ZS6CRO	Auditor	tcrowder@telkomsa.net	011-672-3311	
Pierre Holtzhausen ZS6PJH	Contests	zs6pjh@gmail.com		082-575-5799
Pieter Myburgh ZS6PAM	Repeaters	wooden@mweb.co.za		076-140-7562
Hans Kappetijn ZS6KR (Hon.)	SARL Bulletins, Swop Shop	QRVservices@gmail.com	012-333-2612	072-204-3991
John Minter ZS6LED	RAE Training, Technical	john.minter.za@gmail.com	012-349-0019	083-291-5422

Birthdays and Anniversaries / Verjaarsdae en Huweliks Herdenkings

Member's Birthdays February 2020 / Lede Verjaarsdae Februarie 2020

02 John Minter ZS6LED	09 Kenny Martin ZS6KMM
03 Willie Greyling ZR6WGR	16 De Jager Burger ZS6ZO
03 Nico Van Tonder (Hon. Member) ZS6AQ	21 Nickus de Vos ZS6J
04 James Bestbier ZS1XN	23 Pete Smith-Curren ZS6PJ
04 Louis de Wet ZS6SK	28 Basie Du Plessis ZR2BA

Spouse's February 2020 / Gades Februarie 2020

10 Paddy, gade van Kenny Martin ZS6KMM
23 Erika, gade van Pine Pienaar ZS6OB
28 Connie, gade van Jacques Snyman, ZS6QS

Anniversaries February / Herdenkings Februarie 2020

03 Heather and Vincent Harrison ZS6BTY
07 Juanita en Ryan Gibson ZS6GGR
16 Dienkie en Pierre Britz ZR6ADZ
27 Paddy and Kenny Martin ZS6KMM
27 Zeldia en Wynand Wessels ZR6WW
28 Martie en Jurgen de Beer (Erelid) ZR6YV

Member's Birthdays March 2020 / Lede Verjaarsdae Maart 2020

01 Ben Greyling ZS6YVC	22 Ivan Jancuska (Hon. Member) ZS6CCW
11 Des van Schalkwyk ZR6JET	24 Marike Roux ZS6MRX
14 Uys Classen ZS6UYS	27 Sarel Stapelberg ZS6EK
22 Julian Bouttell ZS6AOU	

Spouse's March 2020 / Gades Maart 2020

05 Sue, spouse of Tony Crowder ZS6CRO
08 Vasthi, gade van DP Du Toit ZR6DP
12 Rita, spouse of Vitor Gouveia ZS6VG
18 Joydene, gade van Albert Schreuder ZS6SE
19 Ria, gade van Henk Stuijvenberg PA0STU
21 Martie, gade van JB de Beer (Erelid) ZR6YV
24 Marike, gade van Andre Roux ZS6ARX
30 Madelaine, gade van George Ellis ZS6GWE
31 Annatjie, gade van Pieter Fourie ZS6CN

Anniversaries March 2020 / Herdenkings Maart 2020

06 Pikkie en Willie Classen ZS6IAM
25 Irene ZS6IEA en Pieter ZS6PAM Myburgh
26 Sharmaine en Louis de Wet ZS6SK
27 Fiona en Etienne Naude ZS6EFN
30 Vasthi en Daniel Du Toit ZS6DP
31 Liezel en Sybrand Van der Spuy ZS6SY

Lief en Leed / Joys and Sorrows

Corrie de Bruyn, gade van Johan de Bruyn ZS6JHB ondergaan tans chemoterapie en bykomende behandeling. Julle is in ons gedagtes en gebede en wens Corrie spoedige herstel en beterskap toe. John Minter ZS6LED is verlede jaar November betrokke gewees in 'n kop-aan-kop botsing waartydens hy ernstige beserings opgedoen het. Jy en jou gesin is in ons gebede en ons jou volkome herstel en beterskap toe.

PARC Membership Fees / PARK Ledegelde

For the 2019-2020 year, there will be no increases in Club Membership fees. Club Fees therefore remain at R160 for Ordinary Members, and R60 for Pensioners and Spouse. Vir die 2019-2020 jaar sal daar geen toenames in die Klub Lidmaatskap gelde wees nie. Dus bly die gelde op R160 vir Gewone Lede, en R60 vir Pensionarisse en Gade.

PARC SUBS : PARK LEDEGELD : FROM / VANAF : 30-06-2018

Bank	First National Bank	Ordinary Members / Gewone Lede : R160 Spouses / Pensioners : R60	Your call sign must appear as statement text!
Branch Code	25 20 45		
Account No	546 000 426 73		

**Please remit your subs in time to our Treasurer, or pay per transfer into the PARC account
Betaal asb. u ledegelde betyds aan ons Tesourier, of betaal per oorpasing in die PARC rekening**

Please Note : If your Club fees are not paid up to date, birthday details cannot be displayed in Watts

PARC Bulletin Roster / PARK Bulletin Rooster

PARC Bulletins are presented on Sunday mornings at approximately 08h45, after the SARL Bulletins in English and Afrikaans, from 08h15. The Bulletin Presenters for the following two months are presented below. Please do contact the applicable presenter beforehand if you wish to make a contribution to the Bulletin. PARC Bulletins are broadcast on the 2-meter repeater on 145.725 MHz, and 70 cm on 438.025 MHz. Relays are done on 7.060 MHz by Hans Kappetijn ZS6KR and on Echolink by Johan Lehman ZS6JPL. A re-broadcast of the Bulletin is done the following Monday evening at 19h45 by Hans ZS6KR.

PARK Bulletins word op Sondag oggende aangebied om 08h45, na die SARL Bulletins in Engels en Afrikaans, vanaf 08h15. The Bulletin aanbieders vir die volgende twee maande word onder aangedui. Kontak gerus die toepaslike Bulletin leser indien u 'n bydrae tot die Bulletin wil maak. PARK Bulletins word uitgesaai op die 2-meter herhaler op 145.725 MHz, en 70cm op 438.205 MHz. Herleidings word gedoen op 7.060 MHz deur Hans Kappetijn ZS6KR, en op Echolink deur Johan Lehman ZS6JPL. 'n Heruitsending van die Bulletin geskied die opvolgende Maandag aand om 19h45 en word behartig deur Hans ZS6KR.

PARC Bulletin Presenters : January - March 2020

Date	Presenter	Date	Presenter
26 January 2020	Alméro Du Pisani ZS6LDP	15 March 2020	Albert Schreuder ZS6SE
2 February 2020	Johan de Bruyn ZS6JHB	22 March 2020	Alméro Du Pisani ZS6LDP
9 February 2020	Louis de Wet ZS6SK	29 March 2020	Johan de Bruyn ZS6JHB
16 February 2020	Albert Schreuder ZS6SE	5 April 2020	Louis de Wet ZS6SK
23 February 2020	Alméro Du Pisani ZS6LDP	12 April 2020	Albert Schreuder ZS6SE
1 March 2020	Johan de Bruyn ZS6JHB	19 April 2020	Alméro Du Pisani ZS6LDP
8 March 2020	Louis de Wet ZS6SK	26 April 2020	Johan de Bruyn ZS6JHB

PARC Fleamarket Dates 2020 / PARK Snuffelmark Datums 2020

The PARC Flea Market dates for 2020 will be on:
The PARK Snuffelmark datums vir 2020 sal wees op:

4 April ; 1 August ; 31 October
(From 10h00 / Vanaf 10h00)

To book a table, please do contact: / Om 'n tafel te bespreek, kontak gerus:
[Alméro Du Pisani ZS6LDP at 083-938-8955](mailto:almero.dupisani@up.ac.za) or almero.dupisani@up.ac.za

Pretoria Amateur Radio Club Turns 90!

Pretoria Amateur Radio Klub Bereik 90!

The 2020 marks a special milestone for the Pretoria Amateur Radio Club, with the 90th celebration of Amateur Radio. We sincerely invite all Members to join us this year in celebrating this special event, and thank you for your support. In future editions of Watts and during Sunday Bulletins information will regularly be provided on the activities planned during this year. With sincere thanks: PARC Committee.

Diary of Contests & Events / Dagboek van Kompetisies en Gebeure

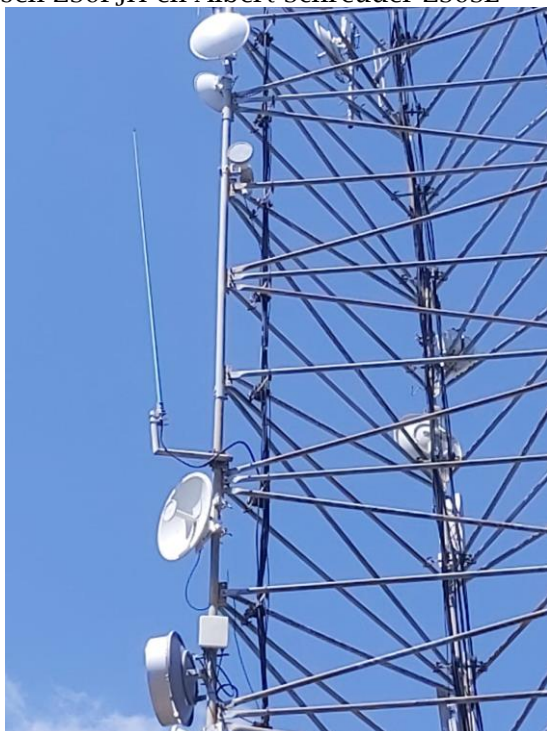
Contests and Events - February 2020 / Kompetisies en Gebeure - Februarie 2020 (UTC Times)	
01 - 02	10-10 International Winter Contest, SSB: 00h01Z - 23h59Z
01 - 02	Mexico RTTY International Contest: 12h00Z - 23h59Z
02	North American Sprint, CW: 00h00Z - 04h00Z
02	Antique Wireless Association CW Activity Day
03	RSGB 80m Club Championship: 20h00Z - 21h30Z
05	UKEICC 80m Contest: 20h00Z - 21h00Z
08 - 09	CQ WW RTTY WPX Contest: 00h00Z - 23h59Z
08 - 09	SARL Field Day Contest: 10h00Z - 10h00Z
08 - 09	Dutch PACC Contest: 12h00Z - 12h00Z
08	RSGB 1.8 MHz Contest: 19h00Z - 23h00Z
11	International Day for Women and Girls in Science
12	RSGB 80m Club Championship, Data: 20h00Z - 21h30Z
13	UNESCO World Radio Day: https://en.unesco.org/commemorations/worldradioday
15 - 16	ARRL International DX Contest, CW: 00h00Z - 24h00Z
21 - 23	CQ 160-Meter Contest, SSB: 22h00Z - 22h00Z
22 - 23	REF Contest, SSB: 06h00Z - 18h00Z
23	SARL Digital (RTTY) Contest: 14h00Z - 17h00Z
27	RSGB 80m Club Championship, CW: 20h00Z - 21h30Z
29	SARL 95: 40m Club Sprint
29/2 - 1/3	Russian WW Multimode Contest: 12h00Z - 11h59Z
Contests and Events - March 2020 / Kompetisies en Gebeure - Maart 2020 (UTC Times)	
01	SARL Hamnet 40m Simulated Emergency Contest: 12h00-14h00
02	RSGB 80m Club Championship, Data: 20h00Z - 21h30Z
03	World Wildlife Day: https://www.wildlifeday.org/
04	UKEICC 80m Contest: 20h00Z - 21h00Z
08	International Women's Day: https://www.internationalwomensday.com/
08	SARL YL Sprint
05 - 08	Hobby-X Johannesburg: Ticketpro Dome, Northgate: https://www.hobby-x.co.za/
11	RSGB 80m Club Championship, CW: 20h00Z - 21h30Z
14 - 15	RSGB Commonwealth Contest: 10h00Z - 10h00Z
14 - 15	SARL VHF/UHF Analogue Contest: 12h00Z - 10h00Z
14 - 15	TESLA Memorial HF CW Contest: 18h00Z - 05h59Z
21	Human Right's Day
21	World Down Syndrome Day: https://www.worlddownsyndromeday2.org/
21 - 22	Russian DX Contest: 12h00Z - 12h00Z
22	World Water Day: https://www.worldwaterday.org/
23	World Meteorological Day: https://public.wmo.int/en/resources/world-meteorological-day/upcoming-world-meteorological-day-themes
25	UKEICC 80m Contest: 20h00Z - 21h00Z
26	RSGB 80m Club Championship, SSB: 20h00Z - 21h30Z
28 - 29	CQ WW WPX Contest, SSB: 00h00Z - 23h59Z
The Pretoria Amateur Radio Club does not accept responsibility for the accuracy of contest details listed above. For verification and more information, please visit the SARL website, www.sarl.org.za , as well as the WA7BNM international contest calendar at the following website: http://hornucopia.com	

Radio Amateur Gees: Herstel van die 70cm Herhaler

Met die 70cm herhaler wat gedurende die Desember vakansie onklaar geraak het, het Pierre ZS6PJH, Albert ZS6SE en Zack ZR6ZAK verlede week sondagoggend 26 Januarie besluit om die taak om die herstel van die herhaler op Magalieskruin aan te pak. Tydens die sondagoggend bulletin het Pierre ingeroep terwyl hy oppad was na die terrein. PARK bedank graag hiermee Pierre, Albert en Zack vir hul inisiatief en onbaatsugtigheid om die werk in hul vrye tyd sonder enige koste te verrig. Ons opregte waardering vir jul Radio Amateur Gees.



Zack Pienaar ZR6ZAK, Pierre Holtzhausen ZS6PJH en Albert Schreuder ZS6SE



Die Magalieskruin terrein (bo) en 70cm herhaler toerusting (onder)



2020 Northern Regions Rally Calendar

Rnd	Date	Province	Location
1.	28 March	Mpumalanga	Delmas
2.	26 April	Mpumalanga	Sabie
3.	22 August	Mpumalanga	Bad Plaas
4.	17 October	Mpumalanga	Belfast

4X4 Rally Calendar: February - June 2020

Round	Date	Event	Location
1	01-Feb-20	GXCC	Bronkhorstspuit
1	08-Feb-20	NAT BIKE	Lesotho
1	28/29 Feb 2020	SACCS	Dullstroom
2	07-Mar-20	GXCC	TBA
1	27/28 Mar 2020	NRC	Delmas
2	3/4 Apr 2020	SACCS	Sugarbelt
2	18-Apr-20	NAT BIKE	KZN
2	25/26 Apr 2020	NRC	Sabie
3	09-May-20	GXCC	TBA
3	22/23 May 2020	SACCS	Clarins
3	29/30 May 2020	NRC	Porterville
4	06-Jun-20	GXCC	TBA
4	26/27/28 Jun	SACCS	Selibe Pikwe

Please do contact Johan de Bruyn ZS6JHB or Graham Reid ZS6GJR for more information

Long Term HF Propagation for February 2020: Courtesy Vincent Harrison ZS6BTY

The graph below shows the predicted F-layer Maximum Usable Frequency (MUF) for propagation from Pretoria^[1] using monthly sunspot numbers from SILSO^[2].

Local Propagation (up to 500 km): The F or F2 critical frequency (f_oF_2) is the MUF for short range, near vertical incidence sky-wave (NVIS) propagation.

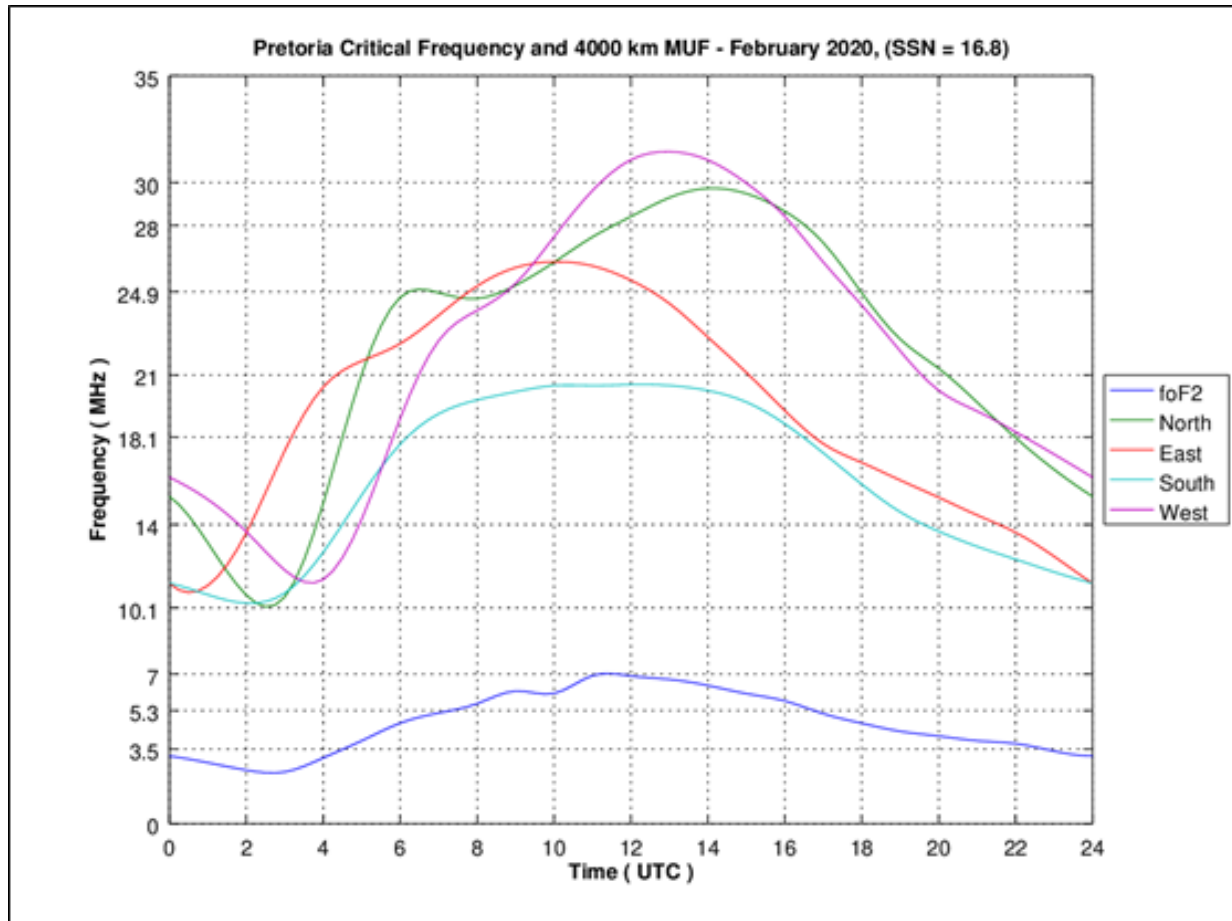
Long Distance Propagation: The MUF for a first hop of 4000 km in the cardinal directions is labeled North, East, South and West. They indicate the direction that propagation may be expected.

Worldwide Propagation Maps: <http://www.parc.org.za/index.php?page=propagation>

"Prediction is difficult, especially when dealing with the future". . . Danish Proverb. 73 Vincent, ZS6BTY

^[1]FTZMUF2: A simple method of estimating the ionospheric parameters of f_oF_2 and M(3000) with the aid of a home computer - Thomas Damboldt and Peter Stüßmann, Deutsche Bundespost, December 1988.

^[2] Silso 12-month forecasts of the monthly sunspot number (<http://sidc.oma.be/silso/FORECASTS/prediML.txt>)



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

ICOM HAMSHACK [PTA]

Pine ZS6OB 082 4477 823
AUTHORIZED ICOM DISTRIBUTOR

FOR ALL YOUR ICOM PRODUCTS & ACCESSORIES

SPECIALY MANUFACTURED VHF/UHF EX60B ANTENNA SYSTEMS FOR:
EME, TROPO, MS, REPEATER & SATELITE SYSTEMS

QRV Services offers the following expertise:

- General equipment and Television repairs
- Small-scale design and manufacturing
- Precise frequency and power calibration
- Technical writing
- 3rd Party scrutiny of projects and documents
- MFJ 259/69 Analyzer repairs and calibration
- Ham radio and solid state amplifier repairs
- Valuation of ham estates and their disposal.

Products:

- Legal limit 30m and 40m dipole traps
- Linear power supply O.V. protection kits
- 50A DC switching supplies
- 30A DC Anderson Power Poles
- Connectors RF and Audio
- Plug-in triple sequential industrial timers

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