



WATTS 2021-04

Year 91 + 04m

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

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

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



Die Pretoria Amateur Radio Klub se tweede snuffelmark vir 2021 het op die 27^{ste} Maart by die Pretoria Ou Motorklub plaasgevind. Op die voorblad is twee van die Groot Geeste van PARK, Vincent Harrison ZS6BTY en Alméro Du Pisani ZS6LDP. Meer op bladsye 5-6.

The Pretoria Amateur Radio Club held it's second Flea Market for 2021 on the 27th of March at the Pretoria Old Motor Club. On the front page, two of the Great Spirits of PARC, Vincent Harrison ZS6BTY and Alméro Du Pisani ZS6LDP. More on pages 5-6.

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Club Meetings / Klub Vergaderings

Club Committee Meeting :

The date of the next Meeting for the 2021 PARC Committee will be on Thursday the 15th of April 2021 at Waterlab from 17h30

Birthdays and Anniversaries / Verjaarsdae en Huweliks Herdenkings

Member's Birthdays April 2021 / Lede Verjaarsdae April 2021

10 Nic Louw ZS6NWL
16 Andre Roux ZS6ARX
28 Elias Tibane

19 Etienne Naude ZS6EFN
24 Jaco Steyn ZSL6119

Spouse's April 2021 / Gades April 2021

10 Joey, spouse of Graham Reid ZS6GJR
15 Joanne, spouse of Evan Seligmann ZS6ELI
15 Tali, gade van Dylan Foord ZS6TDK
16 Andre ZS6ARX, gade van Marike Roux ZS6MRX
18 Sarah, spouse of Elias Tibane
22 Marita, gade van Roy Alexander ZS6MI
27 Ronel, gade van Emil Bohme ZS6EGB
29 Heather, spouse of Vincent Harrison ZS6BTY

Anniversaries April 2021 / Herdenkings April 2021

01 Ronel en Dawid Jansen van Rensburg ZS6VS
10 Joanne and Evan Seligmann ZS6ELI
30 Joey and Graham Reid ZS6GJR

Member's Birthdays May 2021 / Lede Verjaarsdae Mei 2021

03 Andries Schoombee ZS6SCH
06 Christopher Coetzee ZU6CC
12 Neels Heydenrich ZS4CFH
14 Johan Momberg ZS6BPB
15 Jaco Nieuwenhuis ZS6JLN
17 Vincent Harrison ZS6BTY
21 Lucas Dorfling ZS6LMD

24 Sybie Van der Spuy ZS6SY
25 Tjerk Lammers ZS6P / ZS1J (Erelid)
26 Vitor Gouveia ZS6VG
30 Dave Gough DAVEP
31 David Botha ZS6O
31 George Ellis ZS6TA
31 Gawie Basson ZS6GJJ

Spouse's May 2021 / Gades Mei 2021

No spouse's birthdays

Anniversaries May 2021 / Herdenkings Mei 2021

01 Ria and Peter Smith-Curren ZS6PJ

Joys and Sorrows / Lief en Leed

It is with great sadness that we have learned of the passing of the mother of Graham Reid ZS6GJR, the Treasurer of Pretoria Amateur Radio Club. Our sincere condolences to Graham and Joey.

PARC Membership Fees / PARK Ledegelde

For the 2020-2021 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 2020-2021 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 : 2020-10-31

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 oorplasing 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 438.825 and 439.025 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 438.825 en 439.025 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 : February 2021 - June 2021			
Date	Presenter	Date	Presenter
4 April 2021	Louis de Wet ZS6SK	23 May 2021	Johan de Bruyn ZS6JHB
11 April 2021	Albert Schreuder ZS6SE	30 May 2021	Louis de Wet ZS6SK
18 April 2021	Alméro Du Pisani ZS6LDP	6 June 2021	Albert Schreuder ZS6SE
25 April 2021	Johan de Bruyn ZS6JHB	13 June 2021	Alméro Du Pisani ZS6LDP
2 May 2021	Louis de Wet ZS6SK	20 June 2021	Johan de Bruyn ZS6JHB
9 May 2021	Albert Schreuder ZS6SE	27 June 2021	Louis de Wet ZS6SK
16 May 2021	Alméro Du Pisani ZS6LDP	4 July 2021	Albert Schreuder ZS6SE

FLEA MARKET DATES / SNUFFELMARK DATUMS

PARC / PARK: 31 July ; 4 December

East Rand: 16 June ; 30 October

West Rand: 5 June ; 4 September ; 27 November

For more information contact Alméro Du Pisani: 083-938-8955

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arrrl.org

WORLD AMATEUR RADIO DAY

More on the World Amateur Radio Day on page 7

Diary of Contests & Events / Dagboek van Kompetisies en Gebeure

Contests and Events - April 2021 / Kompetisies en Gebeure - April 2021 (UTC Times)

01	SARL 80m QSO Party: 17h00Z - 20h00Z
03 - 04	SP DX Contest: 15h00Z - 15h00Z
06	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
10 - 11	JIDX CW Contest: 07h00Z - 13h00Z
10 - 11	Yuri Gagarin International DX Contest: 21h00Z - 21h00Z
11	Hungarian Straight Key Contest: 15h00Z - 16h00Z
12	RSGB 80m Club Championship, CW: 19h00Z - 20h30Z
13	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
16 - 17	Holyland DX Contest: 21h00Z - 21h00Z
16 - 17	SARL National Convention
17 - 18	YU DX Contest: 07h00Z - 06h59Z
18	World Amateur Radio Day
20	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
21	Corrosion Awareness Day South Africa: https://www.corrosioninstitute.org.za/event/world-corrosion-awareness-day/
24	World Corrosion Awareness Day: https://corrosion.org/
24 - 25	10-10 International Spring Contest, Digital: 00h01Z - 23h59Z
24 - 25	SP DX RTTY Contest: 12h00Z - 12h00Z
24 - 25	Helvetia Contest: 13h00Z - 12h59Z
25	International Vintage Contest, HF: 12h00Z - 18h00Z
27	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
29	RSGB 80m Club Championship, Data: 19h00Z - 20h30Z

Contests and Events - May 2021 / Kompetisies en Gebeure - Mei 2021 (UTC Times)

01 - 02	10-10 International Spring Contest, CW: 00h01Z - 23h59Z
01 - 02	ARI International DX Contest: 12h00Z - 11h59Z
01 - 02	Antique Wireless Association of South Africa: Valve QSO Party
08	SARL VHF/UHF Digital Contest: 05h00Z - 07h00Z : 6m
08	SARL VHF/UHF Digital Contest: 07h00Z - 09h00Z : 2m
08	SARL VHF/UHF Digital Contest: 09h00Z - 11h00Z : 70cm
09	SARL VHF/UHF Digital Contest: 05h00Z - 07h00Z : 6m
09	SARL VHF/UHF Digital Contest: 07h00Z - 09h00Z : 2m
09	SARL VHF/UHF Digital Contest: 09h00Z - 11h00Z : 70cm
08 - 09	VOLTA WW RTTY Contest: 12h00Z - 12h00Z
15 - 16	His Majesty King of Spain Contest, CW: 12h00Z - 12h00Z
16	ZS3 Sprint
19	SARL 80m Club Sprint
21 - 23	Dayton Hamvention: https://hamvention.org/
22	Radio Amateur Examination
29 - 30	CQ World Wide WPX Contest, CW: 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>



Pretoria Amateur Radio Klub nooi graag almal wat belangstel om aan plaaslike kompetisies deel te neem om vir Albert Schreuder ZS6SE (Komiteelid) en Gerrie Leonard ZS6GTK (Gekoopteerde Lid) te kontak om uit te vind hoe om betrokke te raak.

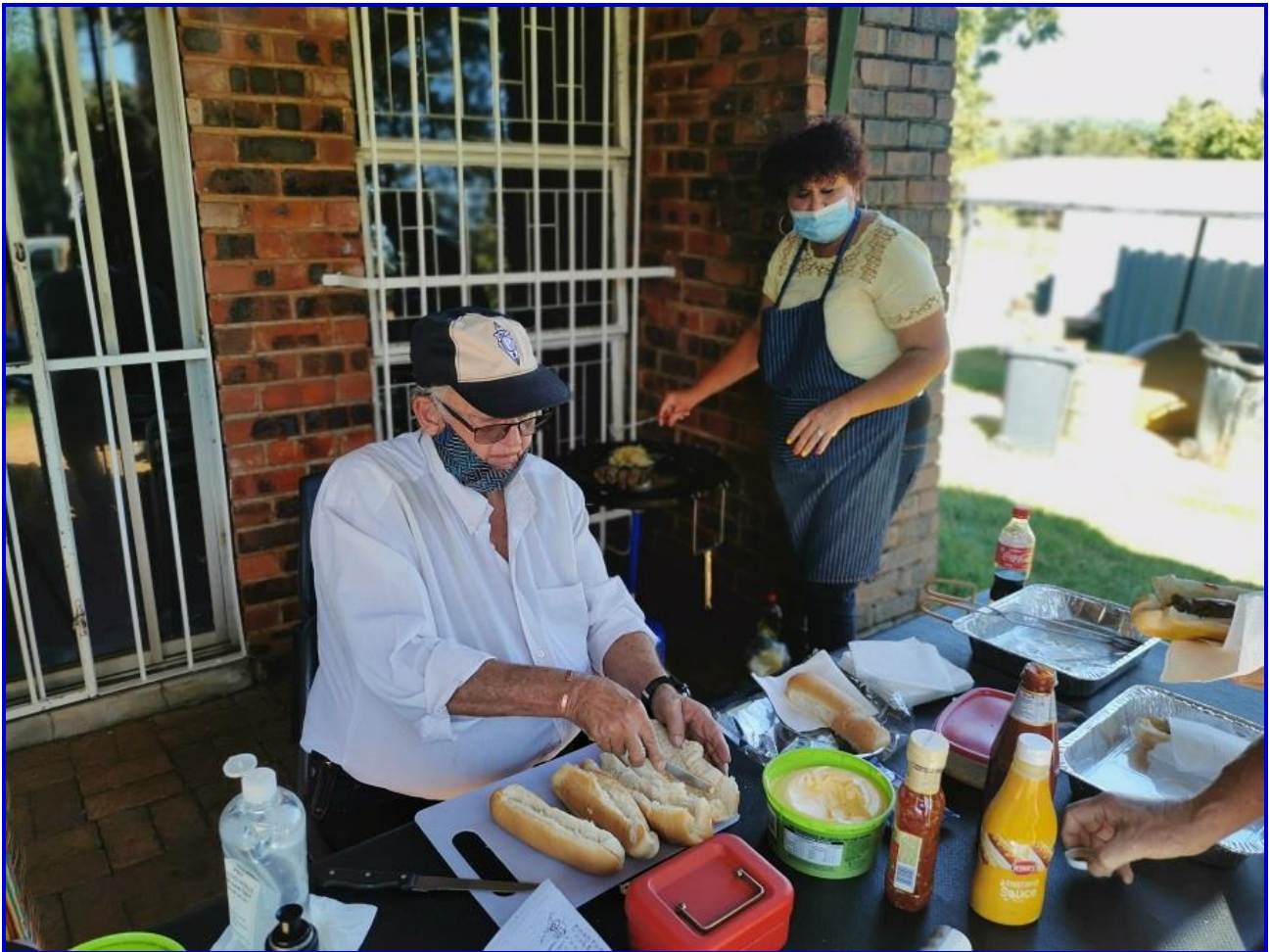
Pretoria Amateur Radio Club invites all who are interested to participate in local contests, to contact Albert Schreuder ZS6SE (Committee Member) and Gerrie Leonard ZS6GTK (Co-Opted Member) to obtain information on how to get involved.



PARK Snuffelmark : PARC Flea Market

Die Pretoria Amateur Radio Klub se tweede snuffelmark vir 2021 is gehou op Saterdag, die 27^{ste} Maart soos gewoonlik by die Pretoria Ou Motorklub. In teenstelling met die eerste snuffelmark gehou op die 6^{de} Februarie, was die weer pragtig en die dag gekenmerk deur heerlike sonskyn.

Alméro Du Pisani ZS6LDP, Johan ZS6JHB, en Corrie du Bruyn word van harte deur PARK bedank vir hul harde werk met die reëlings van die tafels en verkope van worsrolle. PARK bedank graag ook almal wat hul ware ten toon gestel het vir verkope, en aan almal wat die geleentheid bygewoon het. Die volgende snuffelmark op die 31^{ste} Julie belooft om net so 'n suksesvolle geleentheid te wees.



Johan ZS6JHB (PARK Voorsitter) en sy gade Corrie druk besig om worsrolletjies voor te berei





World Amateur Radio Day: 18 April 2021



Every April 18, radio amateurs worldwide take to the airwaves in celebration of World Amateur Radio Day. It was on this day in 1925 that the International Amateur Radio Union was formed in Paris. Amateur Radio experimenters were the first to discover that the short-wave spectrum — far from being a wasteland — could support worldwide propagation. In the rush to use these shorter wavelengths, Amateur Radio was “in grave danger of being pushed aside,” the IARU’s history has noted. Amateur Radio pioneers met in Paris in 1925 and created the IARU to support Amateur Radio worldwide.

Just two years later, at the International Radiotelegraph Conference, Amateur Radio gained the allocations still recognized today — 160, 80, 40, 20, and 10 meters. Since its founding, the IARU has worked tirelessly to defend and expand the frequency allocations for Amateur Radio. Thanks to the support of enlightened administrations in every part of the globe, radio amateurs are now able to experiment and communicate in frequency bands strategically located throughout the radio spectrum. From the 25 countries that formed the IARU in 1925, the IARU has grown to include 160 member-societies in three regions. IARU Region 1 includes Europe, Africa, the Middle East, and Northern Asia. Region 2 covers the Americas, and Region 3 is comprised of Australia, New Zealand, the Pacific island nations, and most of Asia. The International Telecommunication Union (ITU) has recognized the IARU as representing the interests of Amateur Radio.

Today, Amateur Radio is more popular than ever, with m3,000,000 licensed operators! (IARU, 2020-03-04).

Corrosion Awareness Day: 24 April 2021



Corrosion Awareness Day highlights the estimated US\$2.5 trillion annual cost of corrosion worldwide (3 to 4% of GDP of industrialized countries) reflecting in part many decision-makers in industry and government not fully understanding the consequences of corrosion and how critical it is to control it. <https://corrosion.org/Events/Archive/Corrosion+Awareness+Day+2020.html> .

Friday 24th April is World Corrosion Awareness Day. <https://www.icorr.org/world-corrosion-awareness-day-family/>

The Corrosion Institute of South Africa (CorriSA) will hold it’s corrosion awareness day on the 21st of April from 09h00 to 17h00 at the Ambrosia Hall, 97 Allan Road, Glen Austin, Gauteng. For more information, or to book an exhibition space, please do contact Brenda Maree at 010-224-0761 or events@corrisa.org.za . More information can also be obtained form <https://www.corrosioninstitute.org.za/event/world-corrosion-awareness-day/> . The Corrosion Exclusively magazine can be downloaded from the CorriSA website.



Oprigting van radiomas en Yagi antenna: Gerrie Leonard ZS6GTK

Gerrie Leonard ZS6GTK het onlangs op sy plot 'n Yagi wat geskik is vir 10, 15 en 20m opgerig. Die doel van sy opstelling is dat dit deur een persoon opgetrek en laat sak word met min moeite. Die opstelling en oprigting van die antenne word in die fotos onder voorgestel.





Long Term HF Propagation for April 2021: 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.

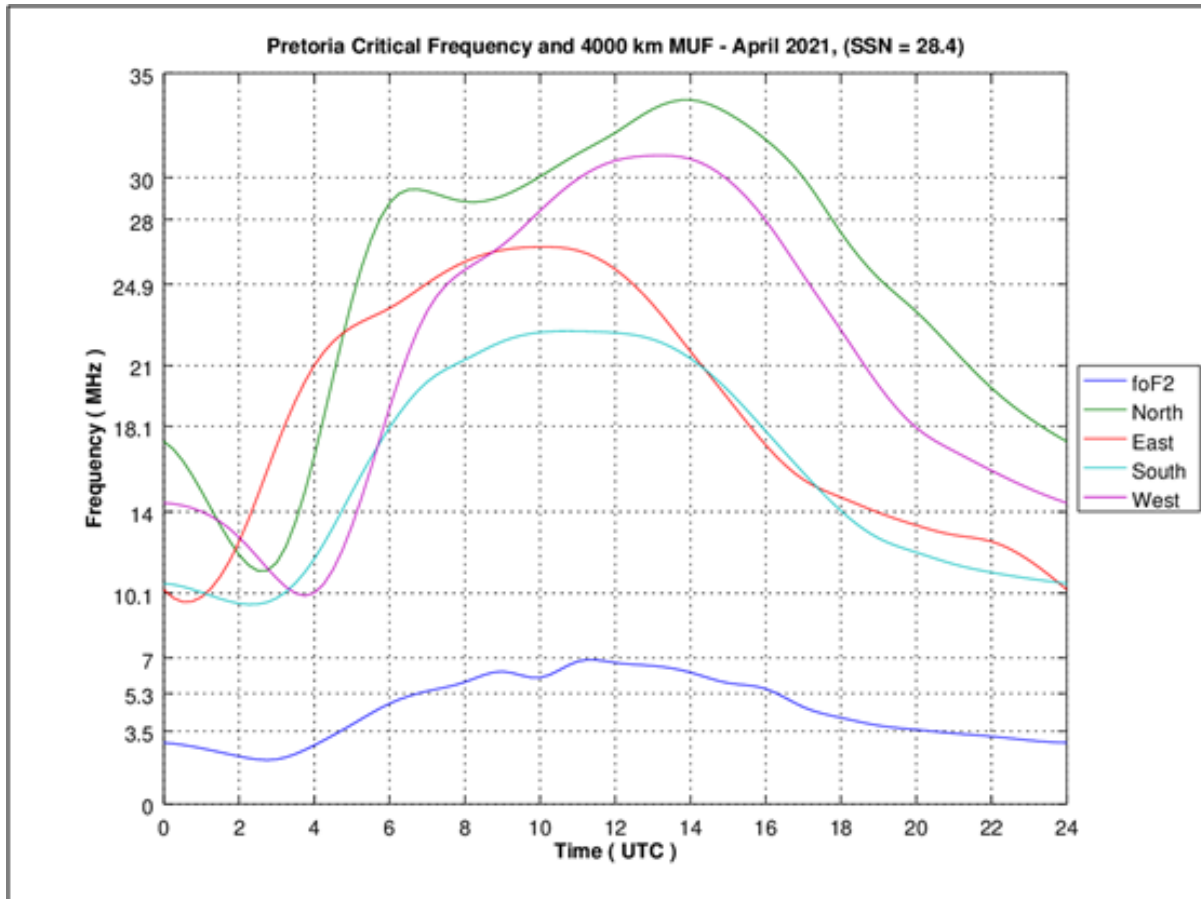
Long Distance Propagation: The MUF for a first hop of 4000 km in the cardinal directions is labeled North, East, South and West. They indicate the direction that propagation may be expected.

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]

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