



WATTS 2021-01

Year 91 + 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

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

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



Tydens die November en Desember was Nickus de Vos ZS6J, Gerrie Leonard ZS6GTK en Zack Pienaar ZR6ZAK druk besig met die konstruksie en oprigting van radiomaste. Meer op bladsye 5-8

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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 14th of January 2021 by Zoom invitation

Birthdays and Anniversaries / Verjaarsdae en Huweliks Herdenkings

Member's Birthdays January 2021 / Lede Verjaarsdae Januarie 2021

05 Pierre Holtzhausen ZS6PJH
07 Bertus Viljoen ZS6VIL
10 Wynand Wessels ZR6WW

12 Gustav Snyman ZS6BWN (91)
18 DP du Toit ZR6DP
21 Albert Screuder ZS6SE

Spouse's January 2021 / Gades Januarie 2021

15 Moira, gade van Fanus Ferreira ZS6BUH
18 Zelda, gade van Wynand Wessels ZR6WW
25 Magriet, gade van Tobie Jansen van Rensburg

Anniversaries January 2021 / Herdenkings Januarie 2021

05 Louise en Louis (Alméro) Du Pisani ZS6LDP
11 Judy and David Botha ZS6O
16 Riana en Leon Fouche ZS6LEF
20 Helga en Hans-Peter Knoepfler ZS6AJS

Member's Birthdays February 2021 / Lede Verjaarsdae Februarie 2021

02 John Minter ZS6LED
03 Willie Greyling ZR6WGR (50)
04 Louis de Wet ZS6SK
09 Kenny Martin ZS6KMM (80)

16 De Jager Burger ZS6ZO
21 Nickus de Vos ZS6J
23 Pete Smith-Curren ZS6PJ
28 Basie du Plessis ZR2BA

Spouse's February 2021 / Gades Februarie 2021

05 Nicolene, gade van Neels Heydenrich ZS4CFH
10 Paddy, gade van Kenny Martin ZS6KMM
23 Erika, gade van Pine Pienaar ZS6OB
28 Connie, gade van Jacques Snyman ZS6QS

Anniversaries Feb 2021 / Herdenkings Feb 2021

03 Heather and Vincent Harrison ZS6BTY
07 Juanita en Ryan Gibson ZS6GGR
16 Dienkie en Pierre Britz ZR6ADZ
21 Sandy ZS6ICE en Menno Havelaar ZS6AGC
27 Paddy en Kenny Martin ZS6KMM
27 Zelda en Wynand Wessels ZR6WW
28 Martie en Jurgen de Beer ZR6YV (Erelid)

New Year's Wishes / Nuwejaars Wense

Namens die Komitee van PARK en myself wens ons die lede en hul families 'n voorspoedige 2021 toe. Die afgelope jaar was nie 'n goeie jaar as gevolg van die COVID-19 nie maar ten spyte daarvan het PARK steeds 'n suksesvolle jaar agter die rug.

Die Klub kon steeds voortgaan met al die aktiwiteite soos vlooiemarkte, deelname aan HF kompetisies en die voorsiening van Radio kommunikasie met tydrenne.

Aan ieder en elk wat betrokke was, ons opregte dank. Sonder jul toewyding en deelname sou dit nie moontlik gewees het nie. Mag die jaar 2021 vir ons almal net vreugde en voorspoed inhou.

On behalf of the Committee of PARC and myself we wish the members and their families a prosperous 2021. This past year was not a good year due to COVID-19, but despite that, PARC still had a successful year.

The Club could still continue with all activities such as flea markets, participation in HF contests and provision of radio communications at motor rallies.

To everyone who was involved during this year, our sincere thanks. Without your dedication and participation it would not have been possible. May this year of 2021 only bring joy and prosperity to us all.

Johan de Bruyn ZS6JHB

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 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 2021 - March 2021

Date	Presenter	Date	Presenter
3 January 2021	Johan de Bruyn ZS6JHB	21 February 2021	Alméro Du Pisani ZS6LDP
10 January 2021	Louis de Wet ZS6SK	28 February 2021	Johan de Bruyn ZS6JHB
17 January 2021	Albert Schreuder ZS6SE	7 March 2021	Louis de Wet ZS6SK
24 January 2021	Alméro Du Pisani ZS6LDP	14 March 2021	Albert Schreuder ZS6SE
31 January 2021	Johan de Bruyn ZS6JHB	21 March 2021	Alméro Du Pisani ZS6LDP
7 February 2021	Louis de Wet ZS6SK	28 March 2021	Johan de Bruyn ZS6JHB
14 February 2021	Albert Schreuder ZS6SE	4 April 2021	Louis de Wet ZS6SK

FLEA MARKET DATES / SNUFFELMARK DATUMS

PARC / PARK: 6 February ; 27 March ; 31 July ; 4 December

East Rand: 30 January ; 16 June ; 30 October

West Rand: 27 February ; 5 June ; 4 September ; 27 November

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

Diary of Contests & Events / Dagboek van Kompetisies en Gebeure

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

01	AGCW Happy New Year Contest: 09h00Z - 12h00Z
05	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
09 - 10	North American QSO Party, CW: 18h00Z - 05h59Z
10	NRAU-Baltic Contest, SSB: 06h30Z -08h30Z
10	NRAU-Baltic Contest, CW: 09h00Z - 11h00Z
10	DARC 10-Meter Contest: 09h00Z - 10h59Z
16 - 17	Hungarian DX Contest: 12h00Z - 11h59
16 - 17	North American QSO Party, SSB: 18h00Z - 05h59Z
19	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
21	NAQCC CW Sprint: 01h30Z - 03h30Z
23 - 24	UK/EI DX Contest, CW: 12h00Z - 12h00Z
26	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
29 - 31	CQ 160-Meter Contest, CW: 22h00Z - 22h00Z
30 - 31	UBA DX Contest, SSB: 13h00Z - 13h00Z

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

01	RSGB 80m Club Championship, SSB: 20h00Z - 21h30Z
02	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
03	UKEICC 80m Contest: 20h00Z - 21h00Z
06	Pretoria Amateur Radio Club Flea Market: 10h00 - 13h00
06 - 07	10-10 International Winter Contest, SSB: 00h01Z - 23h59Z
06 - 07	Mexico RTTY International Contest: 12h00Z - 23h59Z
06 - 07	North American Sprint, CW: 23h00Z - 03h00Z
10	RSGB 80m Club Championship, Data: 20h00Z - 21h30Z
13	RSGB 1.8 MHz Contest: 19h00Z - 23h00Z
13 - 14	SARL Field Day Contest: 10h00Z - 10h00Z
13 - 14	CQ WW RTTY WPX Contest: 00h00Z - 23h59Z
13 - 14	Dutch PACC Contest: 12h00Z - 12h00Z
20-21	ARRL International DX Contest, CW: 00h00Z - 24h00Z
20 - 21	Russian PSK Worldwide Contest: 12h00Z - 11h59Z
23	Worldwide Sideband Activity Contest: 01h00Z - 01h59Z
25	RSGB 80m Club Championship, CW: 20h00Z - 21h30Z
28 - 1/3	Classic Exchange: 14h00Z - 08h00Z
2/3-3/3	Classic Exchange: 14h00Z - 08h00Z

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>

Plaaslike Kompetisies / Local Contests



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.



ZS6J tower project, a story of true amateur spirit: By Nickus de Vos ZS6J

For quite a while I've been on the lookout for a new tower, in true amateur fashion we always want to go bigger and higher.

Being a blind radio amateur has its challenges, one of these challenges being that you inevitably need assistance from others when it comes to tower and antenna work and this assistance is often hard to find.

Back in July last year I spotted a tower for sale on the PARC swop shop which fancied my interest. I mentioned this tower to a fellow amateur friend Zack ZR6ZAK and his immediate reaction was that we should go have a look at it. The next day Zack drove me out to the location where we had a look at the tower, I was happy and a deal was done.

Before I knew it Gerrie ZS6GTK came on board and without me even asking, Gerrie and Zack offered to go take down the tower, transport it and help me erect it at my QTH.

Planne is gemaak en so twee weke later is myself, Gerrie en Zack een Saterdag oggend op pad om die toring te gaan af breek en na my QTH te vervoer. Na 'n oggend van sweet vir al deur Gerrie en Zack was die nuwe toring op my grasperk by die huis en ons besluit toe om die dag af te sluit met 'n braai. Min sou ons weet dat so braai op 'n Saterdag middag na werk aan die toring 'n gereelde instelling sou word.

The tower especially the base required some modifications and Gerrie being a welder by profession offered to do all the modifications for me. For the next couple of Saturdays their work schedules permitting, Gerrie and Zack worked on the tower, making modifications where needed, welding in additional sections etc. Despite this being hard and challenging work at times, not one of the guys complained once. After each stage in the project, we of course ended off the day with the customary braai.

Ongelukkig soos met baie dinge in 2020, sou die virus en inperkings 'n groot invloed hê op my toring projek. Weens werks veranderings en verpligtinge moes ons 'n hele paar kere 'n werks Saterdag uitstel, dus was vordering op 'n stadium baie stadig. Tog kon ons deur druk en na 'n lang wag, na baie frustrasie en harde werk uiteindelik my toring lig aan die begin van November.

Ek wil weereens vir Gerrie ZS6GTK en Zack ZR6ZAK bedank. Daar is nie genoeg woorde om te beskryf hoe dankbaar ek is vir die hulp, sonder julle sou ek die projek nooit kon aanpak. Julle manne is 'n voorbeeld van ware amateur gees.





Voltooide radiomas van Nickus de Vos. Hartlike dank aan Gerrie Leonard ZS6GTK en Zack Pienaar ZR6ZAK vir die konstruksie daarvan

Oprigting van radiomas: Gerrie Leonard ZS6GTK

Met n absolute besige werks program en baie besige naweke met mede Amateurs se torings, antennas ens, het welkome ruskaans skielik op geduik vroeg in November. Ek het daar en dan besluit van die skaars geleentheid gebruik te maak om aandag aan my toring te gee. Op daardie tydstip le my toring al ses maande op die grond by my nuwe QTH.

Siende dat die ruskans baie onverwags opgeduik het, kon daar nie hulp gereel word op so n kort kennisgewing nie. So het ek besluit om nie toe te laat dat dit my gaan terug hou om op die lug te kom nie en met my "rigging ondervinding en beperkte toerusting tot my beskikking self aan die werk gespring. Met baie moeite en fyn beplanning, soos die oprigting vorder, het my toring gestaan na vier ure. Met die hulp van my dogter, wat ook graag Amateur wil word en hier en daar vas gehou en fotos geneem het, is die projek voltooi. Die projek het haar oorweldigend laat besluit dat sy ook deel wil wees van die Stokperdjie.

Die les wat hieruit geleer kan word, vir ons as Amateurs, is om jou passie en liefde vir die Stokperdjie aan ander oor te dra, en baie Belangrik, te wys. Dan sal ons geliefde Stokperdjie oorleef.

Voorspoed vir 2021 en vriendelike groete hier uit my Manhok aan almal.

De ZS6GTK

Gerrie Leonard.

73





Long Term HF Propagation for January 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.

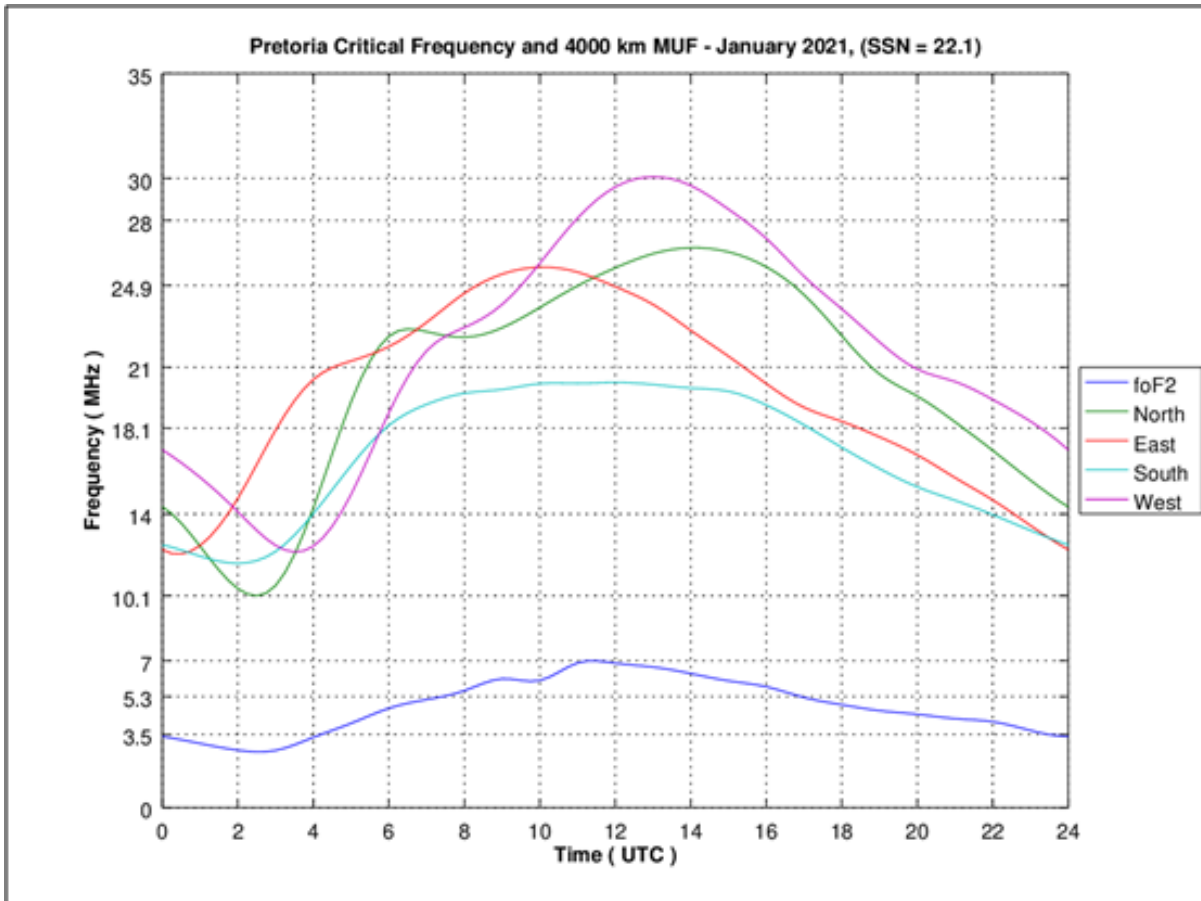
Long Distance Propagation: The MUF for a first hop of 4000 km in the cardinal directions is labeled North, East, South and West. They indicate the direction that propagation may be expected.

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 Süßmann, Deutsche Bundespost, December 1988.

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



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