



# WATTS 2023-09

Year 93 + 09m

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](mailto: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

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

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



1981

*Hans, ZS6BSZ, has only been licensed one year, but he was a very welcome addition to the Contest.*

## **SPECIAL TRIBUTE ISSUE: Hans Kappetijn ZS6KR (1944 – 2023)**

### **In This Issue / In Hierdie Uitgawe**

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PARC Committee Meeting /  
PARK Komitee Vergadering

**The next Meeting for the  
2023 PARC Committee will  
take place on 28 September  
2023 at the Waterlab Offices.**

## Birthdays and Anniversaries / Verjaarsdae en Huweliks Herdenkings

### Member's Birthdays September 2023 / Lede Verjaarsdae September 2023

02 Vernon Fryer ZS6AIG  
13 Zack Pienaar ZR6ZAK  
15 Willie van Niekerk ZS6WVN  
18 Louis Coetzee ZS6GLC  
20 Hugo Pretorius ZS6HP / ZS1WS  
21 Johan de Bruyn ZS6JHB

26 Pieter Malan ZS6OP  
26 Jacques Snyman ZS6QS  
26 Graham Reid ZS6GJR  
27 Ryan Gibson ZS6GGR  
28 Jakes Kruger ZS6JLK  
28 Irene Myburgh ZS6IEA

#### Spouse's September 2023 / September 2023

16 Annelize, gade van De Jager Burger ZS6ZO  
27 Liezel, gade van Sybie van der Spuy ZS6SY  
28 Irene ZS6IEA, gade van Pieter Myburgh ZS6PAM

#### Anniversaries September 2023 / Herdenkings September 2022

02 Sarah and Elias Tibane ZR6TT  
03 Selma and Joseph Katzman ZS6TB  
03 Sanette en Dennis van Schalkwyk ZR6JET  
20 Corrie en Johan de Bruyn ZS6JHB  
25 Aida en Hugo Pretorius ZS6HP  
28 Jessica en Benjamin Greyling ZS6YVC  
28 Retha en Roy Newton ZS6XN  
28 Erika en Jan Pienaar ZS6OB

### Member's Birthdays October 2023 / Lede Verjaarsdae Oktober 2023

01 Evan Seligman ZS6ELI  
02 André van Tonder (Hon. Mem.) ZS6BRC  
02 Hans-Peter Knoepfler ZS6AJS  
06 Danny Liebenberg ZS6AW/ZS2E  
09 Ed Willers ZS6UT  
10 Roy Alexander ZS6MI

16 Nico Michael ZS6BVR  
18 Marcel-Ruaan van Wyk ZS6MRM  
22 Johannes Strydom ZS6ZZZ  
25 Gawie Marais ZS6GJM  
31 Pieter Myburgh ZS6PAM

#### Spouse's October 2023 / Gades Oktober 2023

01 Geraldine, gade van Jurie Ferreira ZS6JFE  
04 Lukas, gade van Rita Schroder ZS6SLR  
06 Fiona, spouse of Trev Thomsen Z21GX  
06 Danny, gade van Antoinette Liebenberg ZS6D  
12 Juanita, gade van Ryan Gibson ZS6GGR  
14 Wilma, gade van Nic Louw ZS6NWL  
21 Louise, gade van Alméro Du Pisani ZS6LDP  
28 Sanette, gade van Des van Schalkwyk ZR6JET  
30 Cindy, gade van Marcel van Wyk ZS6MRM

#### Anniversaries October 2023 Herdenkings Oktober 2023

09 Annatjie en Pieter Fourie ZS6CN  
13 Wilma en Nick Louw ZS6NWL  
15 Annelize en De Jager Burger ZS6ZO  
29 Nicolene en Cornelius Heydenrich ZS4CFH

### PARC Committee Members : 2023 / PARK Komiteelede : 2023

<u>Name &amp; Callsign</u>	<u>Portfolio/s</u>	<u>Email Address</u>	<u>Tel No</u>	<u>Mobile No</u>
Louis de Wet ZS6SK	Chairman, Watts, SARL & ICASA	<a href="mailto:louis.zs6sk@gmail.com">louis.zs6sk@gmail.com</a>	012-349-1044	072-140-9893
Irene Myburgh ZS6IEA	Vice Chair, Secretary & SARL Bulletins	<a href="mailto:irene.myburgh@outlook.com">irene.myburgh@outlook.com</a>	012-304-5109	082-462-6001
Johan de Bruyn ZS6JHB	Repeaters & Membership	<a href="mailto:zs6jhb@gmail.com">zs6jhb@gmail.com</a>	012-803-9418	079-333-4107
Graham Reid ZS6GJR	Rallies, Treasurer, Website	<a href="mailto:greid@wol.co.za">greid@wol.co.za</a>	012-667-2720	083-701-0511

### PARC Co-opted Members : 2023 / PARK Ge-koopteerde Lede : 2023

<u>Name &amp; Callsign</u>	<u>Portfolio/s</u>	<u>Email Address</u>	<u>Tel No</u>	<u>Mobile No</u>
Alméro Du Pisani ZS6LDP (Hon.)	Flea-markets, SARL Bulletins	<a href="mailto:almero.dupisani@up.ac.za">almero.dupisani@up.ac.za</a>	012-420-3779	083-938-8955
John Minter ZS6LED	RAE Training, Technical	<a href="mailto:john.minter.za@gmail.com">john.minter.za@gmail.com</a>	012-349-0019	083-291-5422
Albert Schreuder ZS6SE	Auditor & Taxation	<a href="mailto:albert.schreuder.za@gmail.com">albert.schreuder.za@gmail.com</a>	012-361-6133	082-562-3825
Pieter Myburgh ZS6PAM	Repeaters	<a href="mailto:wooden@mweb.co.za">wooden@mweb.co.za</a>		076-140-7562



## PARC Membership Fees / PARK Ledegelde

**PARC SUBS : PARK LEDEGELD : FROM / VANAF : 2022-10-29**

Bank	First National Bank	<b>Ordinary Members / Gewone Lede : R160 Spouses and Pensioners : R60</b>	<b>Your call sign must appear as statement text!</b>
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 Sunday Bulletins / PARK Sondag Bulletins

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 Schedule / PARK Bulletin Aanbieders Skedule

PARC Bulletin Presenters: September 2023 – November 2023			
Date	Presenter	Date	Presenter
10 September 2023	Alméro Du Pisani ZS6LDP	22 October 2023	Alméro Du Pisani ZS6LDP
17 September 2023	Louis de Wet ZS6SK	29 October 2023	Louis de Wet ZS6SK
24 September 2023	Johan de Bruyn ZS6JHB	05 November 2023	Johan de Bruyn ZS6JHB
01 October 2023	Alméro Du Pisani ZS6LDP	12 November 2023	Alméro Du Pisani ZS6LDP
08 October 2023	Louis de Wet ZS6SK	19 November 2023	Louis de Wet ZS6SK
15 October 2023	Johan de Bruyn ZS6JHB	26 November 2023	Johan de Bruyn ZS6JHB

## Joys and Sorrows / Lief en Leed

It is with great sadness that we announce the passing of Johnny Scott ZS6JSS. PARC hereby express our sincere condolences with his wife Belinda and family. Johnny was a well-known voice on the Sunday morning bulletins and very active with contests.



Dit is met leedwese dat ons verneem het van die afsterwe van Adriaan Johannes (Attie) Reynecke ZS6REY. Hiermee ons innige meegevoel met sy gade Anne-Marie en gesin. Attie se vriendelike opgewekte stem tydens Sondag oggend bulletins sal terdeë gemis word.

## INVITATION / UITNODIGING

# PRETORIA AMATEUR RADIO CLUB VETERANS BREAKFAST / VETERANE ONTBYT

30 SEPTEMBER 2023 FROM 11H00

AT THE R&R BISTRO

CNR Nico Smith St & 26<sup>th</sup> Ave Villeria



**PARC WILL PAY FOR YOUR  
BREAKFAST IF YOU ARE OVER 60  
YEARS.**

**PLEASE BOOK YOUR PLACE WITH IRENE  
MYBURGH ZS6IEA AT 084-544-0618 OR  
[irene.myburgh@outlook.com](mailto:irene.myburgh@outlook.com)**

## Diary of Contests & Events / Dagboek van Kompetisies en Gebeure

Contests and Events - September 2023 / Kompetisies en Gebeure - September 2023 (UTC Times)	
02	CWOp CW Open Contest: 0000Z - 2359Z
02 - 03	All Asian DX Contestr, Phone: 0000Z - 2400Z
02 - 03	<b>SARL Field Day</b>
09 - 10	WAE DX Contest, SSB: 0000Z - 2359Z
10	North American Sprint, CW: 0000Z - 0400Z
16 - 17	<b>SARL VHF/UHF Digital Contest</b>
16 - 17	Scandinavian Activity Contest, CW: 1200Z - 1200Z
17	North American Sprint, RTTY: 0000Z - 0400Z
24	<b>ZS1 QSO Party</b>
23 - 24	CW Worldwide DX Contest, RTTY: 0000Z - 2400Z
25	<b>ZS SOTA Activity Day</b>
30 - 01 Oct	UK/EI DX Contest, SSB: 1200Z - 1200Z
Contests and Events - October 2023 / Kompetisies en Gebeure - Oktober 2023 (UTC Times)	
03	German Telegraphy Contest: 0700Z - 0959Z
05	<b>SARL 80m QSO Party: 1700Z - 2000Z</b> <a href="http://www.sarl.org.za">www.sarl.org.za</a>
07	<b>Pretoria Amateur Radio Club Flea-Market: 09h00 - 13h00</b>
07	<b>Antique Wireless Association: Valve QSO Party: AM</b> <a href="http://www.awasa.org.za">www.awasa.org.za</a>
08	<b>Antique Wireless Association: Valve QSO Party: SSB</b> <a href="http://www.awasa.org.za">www.awasa.org.za</a>
07 - 08	Oceania DX Contest, Phone: 0600Z - 0600Z
07 - 08	Worked all Provinces of China DX Contest: 0600Z - 0559Z
07	UE Sprint, SSB: 1500Z - 1859Z
10	10-10 International 10-10 Day Sprint: 0001Z - 2359Z
14	<b>Spring QRP Contest</b>
14 - 15	Scandinavian Activity Contest, SSB: 1200Z - 1200Z
18	<b>SARL 80m Club Contest</b>
20 - 22	<b>JOTA</b>
21	<b>Radio Amateur Examination (RAE)</b>
21	<b>CQ Hou Koers</b>
21 - 22	10-10 International Fall Contest, CW: 0001Z - 2359Z
27 - 28	<b>SARL Council Meeting</b>
28 - 29	CQ Worldwide DX Contest, SSB: 0000Z - 2400Z
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, <a href="http://www.sarl.org.za">www.sarl.org.za</a> , as well as the WA7BNM international contest calendar at the following website: <a href="http://hornucopia.com">http://hornucopia.com</a>	



The Antique Wireless Association of South Africa in conjunction with the South African Institute of Electrical Engineers is going to be holding an open day once a month at the grounds of the SAIEE.

The museum will be open for viewing, and the SAIEE shack will be operational. Refreshments and boerewors rolls will be available. A boot sale will take place. Please bring your own table along.

**Next Date: 14 October from 09:30.** The address is 18a Gill Street, Observatory, Johannesburg.

Please do contact Andy Cairns ZS6ADY at 082-448-4368 or [andyzs6ady@gmail.com](mailto:andyzs6ady@gmail.com) for more information, or visit the AWA website at <http://www.awasa.org.za/> .



## Snuffelmark Datums 2023 / Dates of Flea Markets 2023

Flea Market dates for the Pretoria, West-Rand and East-Rand Amateur Radio Clubs for 2023 are listed below. Please contact Alméro Du Pisani ZS6LDP for more information.

### PRETORIA AMATEUR RADIO CLUB

**DATE: 07 October; 02 December**

**DATUM: 07 Oktober; 02 Desember**

**CONTACT PERSON:** Alméro Du Pisani (T) 083-938-8955 (E) [almero.dupisani@up.ac.za](mailto:almero.dupisani@up.ac.za)



### WEST-RAND AMATEUR RADIO CLUB

**DATE: 28 August; 04 November**

**DATUM: 28 Augustus; 04 November**

**CONTACT PERSON:** Phillip van Tonder (T) 083-267-3835 (E) [zs6pvt@gmail.com](mailto:zs6pvt@gmail.com)



### EAST-RAND AMATEUR RADIO CLUB

**DATES: No information available**

**DATUMS: Geen inligting beskikbaar**

**CONTACT PERSON:** Judy Pretorius (T) 064-543-7252 (E) [zs6erb@gmail.com](mailto:zs6erb@gmail.com)

## **Pretoria Amateur Radio Club Tribute to Hans Kappetijn ZS6KR**

*By Louis de Wet ZS6SK*

Hans Kappetijn ZS6KR, Honorary Member of the Pretoria Amateur Radio Club, sadly passed away on the morning of the 6<sup>th</sup> of August 2023. PARC hereby express their sincere condolences with his son Dennis, wife Linita and grandson Kristian Kappetijn, and his daughter Sonja and husband Francois Maree for their loss. Hans was born on the 8<sup>th</sup> of December 1944 in Den Haag, Netherlands. With the Second World War raging, conditions in the German-occupied Netherlands were desperate during the brutally cold winters with food and decent shelter being very scarce. During those years, Hans used to listen on a tin-radio to news of the war from London. Post-war conditions were just as desperate, and Hans' parents took the opportunity to emigrate as attractive offers were made to skilled craftsmen.

In 1956, Hans, as the only child, and his parents boarded a ship to Cape Town, from where they travelled by train to Salisbury, Rhodesia. Hans attended the Alfred Beit Primary School, where he learned English. He completed Standard 8 at the Allan Wilson Technical High School, during which time his parents and him moved to Pretoria South Africa in 1961, where his father pursued a better career opportunity. Hans completed his Standards 9 and 10 (Electrical) at the Technical College in Vermeulen Street, Pretoria. He furthered his studies in electronics (T4) in 1967, radio communications also in 1976, radio repairs trade test in 1972, and completed his 3<sup>rd</sup> and 4<sup>th</sup> years in B.Eng at the University of Pretoria during 1974-1975. He completed his radio and television trade test in 1977, an RF circuit design course in 1989, and a course in radar systems in 1989.

During the period 1963 to 1977, Hans was employed at NEERI-CSIR in the instrumentation division where he conducted general electronic work, but progressed to the solid-state electronics division, where he was involved up to 1979 with control electronics for the vacuum laboratory, ultrasonics, thin film circuit design (CD to 4 GHz) and linear and silicon IC design. In 1979 he joined NIAT-CSIR (Aerotek) where he worked in the Surface Systems Division on vehicle control and sight electronics. From 1981 to 1991 he was promoted to Section Manager of the E&I Section of the Electro-Mechanical Facility. Here he managed various acoustic and fiber-optic projects, as well as vehicle and aircraft mounted systems, data acquisition and telemetry.

Hans left the CSIR in 1991, and established his company, QRV Technology cc, which specialized in (i) PC and UP control of industrial processes, machine control and measurement systems, (ii) analogue and digital electronic design for production process cost optimization, (iii) display, and domestic TV system maintenance, (iv) electromedical equipment R&D, ISO 9002 maintenance and production technical advisory services, (v) third-party scrutiny reporting on the design of equipment, and (vi) production of niche-market electronic equipment. In January 2011 Hans closed QRV Technology cc, and established H. Kappetijn T/A QRV Services up to 2023.

In 1979 Hans commenced his amateur radio career with a year of CW transmissions. Although nervous initially, Hans however quickly worked thousands of stations by DX and completed a lot of logbooks and collected numerous QSL cards. Around 1981 Hans decided to automate and designed a Morse-keyboard. From then on, he enjoyed contests very much because he could type with his left hand and write with his right. During that time, he purchased an XT computer and wrote a BASIC program to analyze his log and calculate his contest points.

Hans received numerous awards from the Pretoria Amateur Radio Club and the South African Radio league, of which one of his highlights was the Five-Band All Africa Award on CW. Hans was also only one of three South Africans who was placed on the CW Honors Roll of the DX Century Club (DXCC). From 2001 to 2014 Hans was the Editor of Watts, the monthly Newsletter of the Pretoria Amateur Radio Club. During this period, he wrote many short technical articles relating to Amateur Radio and received the Piet Roos Award every year during the AGM meetings of PARC. Hans was also the Chairman of the PARC from 2001 to 2004 and was well known for his management of the Swap Shop column on the PARC website. During Sunday morning bulletins Hans conducted the DX and other interesting news relating to amateur radio and provided contest news. After the SARL and PARC bulletins, Hans handled the HF call-ins and Swap Shop on the air. Hans was the author of 24 local and 4 international radio and electronics related publications.

Hans married Bertha van Vuuren on the 20<sup>th</sup> of August 1966, and they had two children Dennis born 1970 and Sonja born 1971. Bertha sadly passed away on the 1<sup>st</sup> of January 2016. Hans was known as a dedicated family man who was loved deeply by his wife, children, and grandson. We will sincerely miss his voice on HF on Sunday mornings. 73 Oom Hans.



# GEDENK BYEENKOMS ZS6KR

## **Old Pretoria Motor Club**

(100 Fred Davey Ave, Silverton)

*12 Augustus 2023 at 10:30*



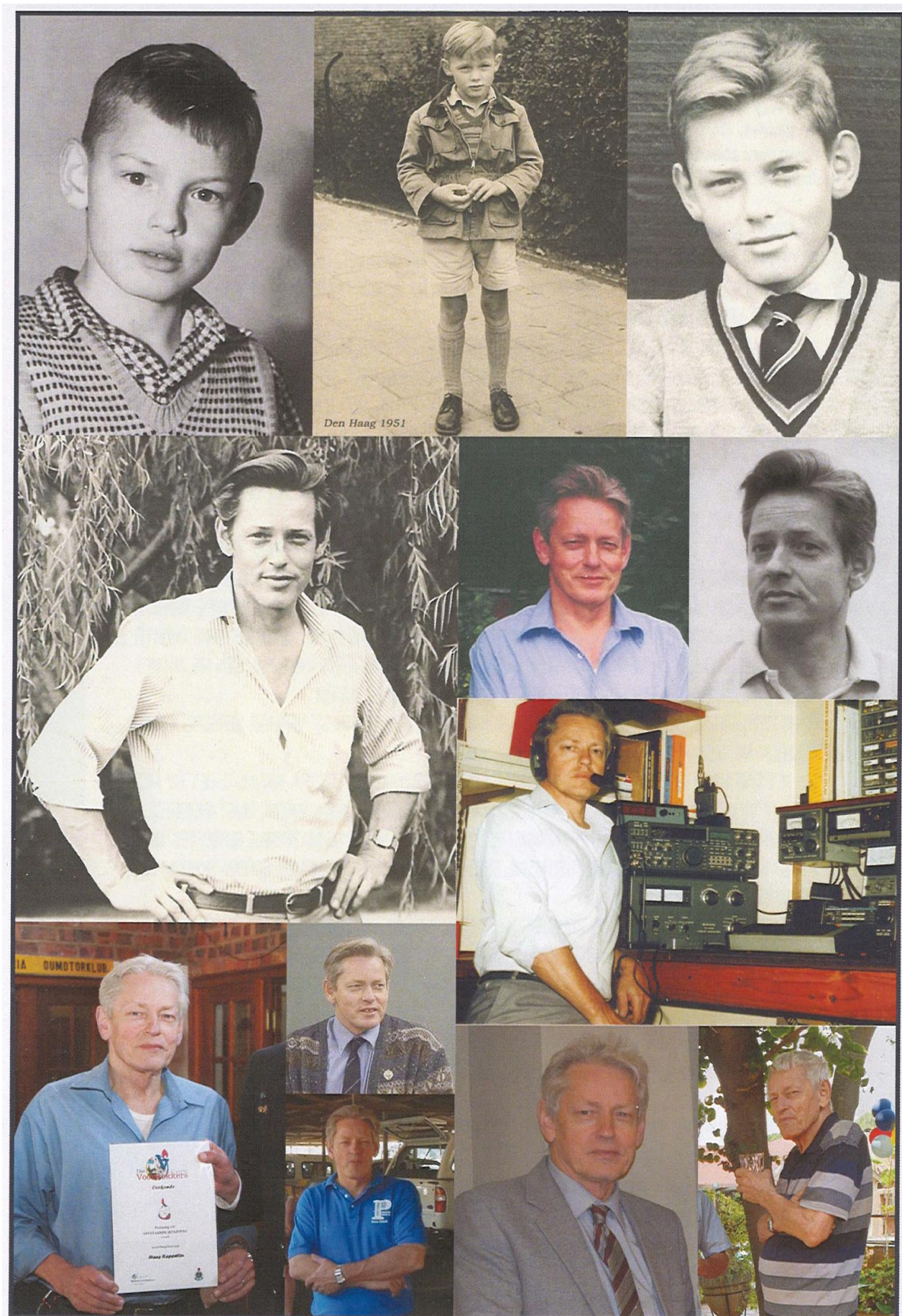
## HULDEBLYKE

Vervat in die begrafnis brief asook enige  
persoon wat gelei voel om iets te sê

## BEDANKINGS

**Francois Maree (skoonseun)**







The following pages present an overview from Watts articles from 2001 to 2023 reflecting activities where Hans was active in the Pretoria Amateur Radio Club. He received various awards and prizes in this period from PARC and the South African Radio League.

### Watts 2003-06

## **From the Editor**

This is the first e-mail electronic issue of WATTS. I have spent considerable time to downgrade my ignorance of MSWORD and figure out a suitable presentation that is acceptable for such a prestigious publication as this one.... Also, the file size must be kept down which means minimal graphic content. I have, included a color picture to show what can be done. I would be pleased to receive member's own, or shack and antenna pictures for publication. Advertisements are also welcome. Members receiving the paper version of this newsletter may not get good picture reproduction – please get onto e-mail – it is about time.



The editor in comfortable operating position some months ago after an operation...

Die redakteur in gemaklike bedryfshouding 'n paar maande gelede na 'n operasie....

## **Van die Redakteur**

Dit is die eerste e-pos elektroniese uitgawe van WATTS. Ek het aansienlik tyd gespandeer om my onkunde van MSWORD op te gradeer en om 'n geskikte aanbieding te bedink wat hierdie gewigtige publikasie gestand doen. Ook moet die leërgrootte in bedwang gehou word wat minimale grafika inhoud beteken. Ek het 'n kleurfoto ingevoeg om te wys wat kan gedoen word.

Ek sal bly wees as lede vir my fotos van hulle self, of ark en antennes kan stuur vir publikasie. Advertensies is ook welkom. Lede wat die papieruitgawe kry, sal seker nie die beste fotoweergawe sien nie – kry asb e-pos – dis omtrent tyd.

### Watts 2003-11



**Hans ZS6KR satisfying a wish list**



**Hennie ZR6HEN and Richard**



**Almero ZR6RY, organiseerder**



## Watts 2003-12

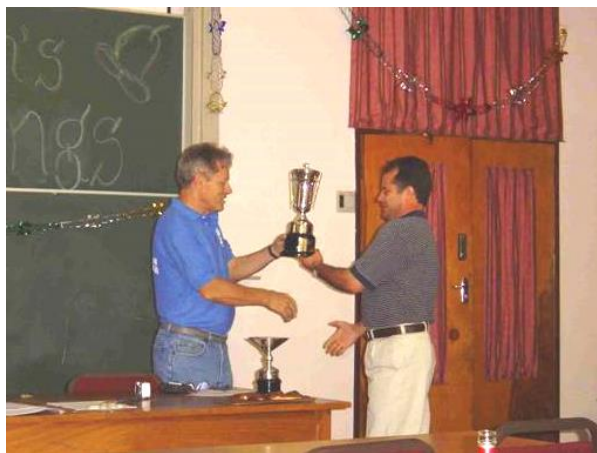


**Bill ZS6KO camped for the weekend at Roodeplaat Dam**



**Hans ZS6KR het Saterdag die middag-skof behartig**

## Watts 2004-01



**December 2003 Annual General Meeting: Hans receiving the Desert Island Award, and handing an award over to Vitor de Goveia.**

## Watts 2004-09

### **Management team / Bestuurspan Aug 2004- Aug 2005:**

Back: Willie ZR6WGR, Almero ZR6RY, Sander ZR6SW, Richard ZR6CK, Johan ZR6JHB. Front L: Hans ZS6KR; Front R: Tjerk ZS6P





Watts 2004-11

### PARC Swapshop in action – photo ca 2000



Watts 2005-03

### SARL Field Day 12-13 Feb



**ZR6GPC en ZS6KR**



Watts 2005-09

### PARC AGM

As Club Chairman, I must thank our Vice Chairman Almèro ZS6LDP, Secretary Johan ZS6JHB, Treasurer Richard ZS6UK and our awards manager Tjerk ZS6P for their support. Not to forget the 7 co-opted members Egbert ZS6AZG, JB ZR6YV, Bill ZS6KO, Johan ZS6JPL, Hans ZR6HVG, Willie ZR6WGR and Willie ZS6AEA who have smoothed our path over the last year with Technical, Social and Facility Management. Egbert ZS6AZG is our auditor and he deserves a special thanks for making sense of our financial status.

He will soon have his own word in these proceedings.

Furthermore one of the last tasks of the outgoing committee is to allocate awards and certificates to deserving members. These will shortly be handed out.

Our Club has certainly done well over the past year. I have been chairman for four consecutive years but for personal reasons can not make myself available again. I wish the incoming Committee and Chairman another successful year ahead.

Hans Kappetijn ZS6KR , Chairman PARC 8/2004- 8/2005





Watts 2007-12

**VHF/UHF Sept 2007 Field Day**



**Hans ZS6KR in PARC regalia competing on 40m**

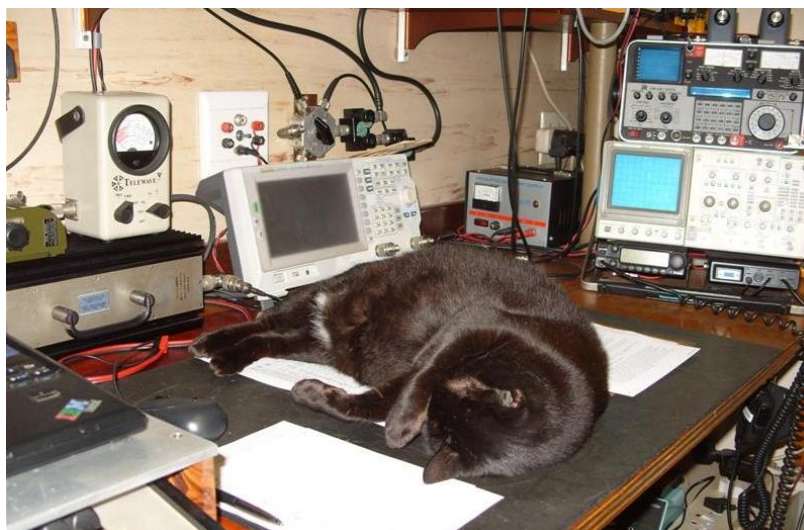
Watts 2009-03

**ZS6KR chimney special.** Pivotal square tubing between two U-sections concreted 1,5m into the chimney holds two bearings and rotor for a TH3Mk3 on a steel scaffold pipe. The vertical supports are attached to the chimney sides with stand-off brackets and flat bars on top provide rigidity. Left is a dual-band X-50 antenna and right a 40/80m dipole. The shack is right below.



Watts 2014-02

**Sunday morning bulletin time at ZS6KR. Elbowing for bench real estate is not uncommon!**



Watts 2014-07

## **Editorial**

With this issue of WATTS it is exactly 10 years that I have spent many evenings putting this newsletter together with content that has brought much praise to this editor and the club.

The time has however come to hand this portfolio over to someone else - after our AGM at the latest and this is thus my last issue.

Personal circumstances are becoming a pressing factor and your editor now needs to unload himself from as many responsibilities as possible. This decision is final.

WATTS has been a joy many times to compile from various sources, personal technical work and member contributions.

Being old school, much of the content has been just that – not that anything was irrelevant – but movement into current technologies needs impetus from an editor more knowledgeable in these fields who can convey this to members even from personal experiences.

For the amateur radio service to survive we must move with the times and use technologies that can be on par with national, local and worldwide hobby requirements else the fraternity will soon be extinct to the powers that are - and be considered as a playgroup wasting useful spectrum.

Our monthly newsletter should reflect this continuously to show PARC and its members as a progressive club.

I appeal that some one (or more) come forward to continue the tradition.

Hans ZS6KR



Watts 2014-08/09

## **Highlights of the PARC 84<sup>th</sup> AGM on Saturday 25 July 2014**



**Hans Kappetijn ZS6KR receiving the Voortrekker's gold medal for exceptional service, presented by Andries Visagie ZS6VL.**



### Watts 2019-05

Richard Peer ZS6UK handing over SARL awards to Hans Kappetijn ZS6KR (Honorary Member): Willie Wilson Gold Badge and Silent Keys Memorial Trophy, CW.



### Watts 2019-07

The PARC Veteran's breakfast was held on the 29<sup>th</sup> of June 2019 at the Adler's German Family Restaurant. Members and guests who attended included (from left) Sarel ZS6EK Karin Stapelberg, Whitey Joubert ZS6JJJ, Graham ZS6GJR (Vice Chairman) and Joey Reid, Kenny ZS6KMM and Paddy Martin, Johan de Bruyn ZS6JHB and Corrie Swamers, Jan (Pine) Pienaar ZS6OB, Hans Kappetijn ZS6KR (Hon. Member), Charles Mills ZS6CJM, Richard Peer ZS6UK, Frank ZS6GE and Patricia Schneider, Paul ZS6BMF and Julie Sterling, Vincent Harrison ZS6BTY, Louis de Wet ZS6SK (Chairman) and Fritz Sutherland ZS6SF.





**Watts 2021-12**  
**PARC 2021 AGM Awards**



**Hans Kappetijn and Nico Michael ZS6BVR receiving Piet Roos certificate awards for contributions to the Watts Newsletter**



**Hans Kappetijn ZS6KR (Hon. Member) receiving the Hansie Meyer award for contest participation**



**Watts 2022-04**  
**Pretoria Amateur Radio Club 90<sup>th</sup> Celebration**



Hans Kappetijn ZS6KR, Frank Schneider ZS6GE, Willie van Niekerk ZS6WVN and Graham Reid ZS6GJR







**Motor and 4x4 Rallies Dates of Events: 2023**  
**Motor en 4x4 Tydens Datums: 2023**



## 2023 National Rally Calendar

CAPE OVERBERG RALLY	28/29 APR	BREDASDORP	WC
LAKE UMUZI RALLY	26/27 MAY	SECUNDA	MP
ALGOA RALLY	7/8 JUL	GQEBERHA	EC
TZANEEN RALLY	25/26 AUG	TZANEEN	LP
DELMAS RALLY	20/21 OCT	DELMAS	MP
TRAC RALLY	17/18 NOV	DULLSTROOM	MP




## 2023 CALENDAR

<b>Round 1</b>	18 February	<b>WEIVELD 300</b> Parys, Free State
<b>Round 2</b>	11 March	<b>STELLA 300</b> Stella, North West
<b>Round 3</b>	28 – 29 April	<b>BARBERSPAN MARATHON</b> Mareetsane, North West
<b>Round 4</b>	10 June	<b>VRYBURG 300</b> TBC, North West
<b>Round 5</b>	2 September	<b>MARIENDAL 300</b> Kroonstad, Free State
<b>Round 6</b>	28 October	<b>KAMEEL 300</b> Kameel, North West

[For More Rally information please contact the following Radio Marshalls:](#)

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## 2023 National Rally Championship

### Round 1

24/25 February Bronkhorstspuit

### Round 2

31 March/1 April Lowveld Rally

### Round 3

26/27 May Kroonstad

### Round 4

28/29 July Ermelo

### Round 5

8/9 September Secunda

### Round 6

3/4 November Pretoria

2023 Regional events will take place on the Saturday only

### Championship Partners





## Long Term HF Propagation for September 2023: Courtesy Vincent Harrison ZS6BTY

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

**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.

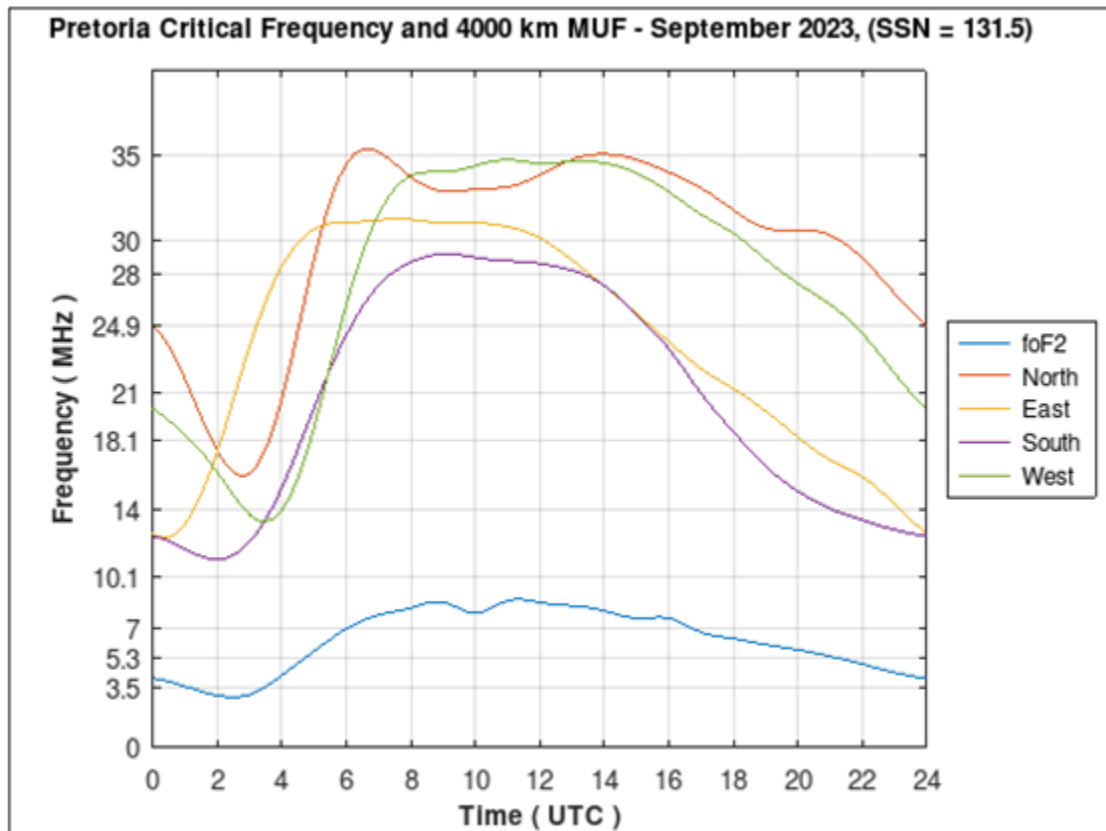
**Long Distance Propagation:** The MUF for a first hop of 4000 km in the cardinal directions is labeled North, East, South and West. They indicate the direction that propagation may be expected.

**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*

<sup>[1]</sup>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.

<sup>[2]</sup> 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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