



WATTS 2019-03

Year 89 + 03m

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
Swoptshop : 2m and 7.066 MHz live on-air after bulletins
Bulletin repeats on Mondays / herhalings op Maandae : 2m 19h45



Alméro Du Pisani ZS6LDP and his wife Louise recently went on a three-week holiday which consisted of a road-trip via Upington to the Southern and Western Cape Provinces. During their visit in the Western Cape, Alméro attended the flea market of the Cape Town Amateur Radio Club (CTARC) where he met up with a number of fellow Amateurs. On our cover photo Alméro is with the Chairman of CTARC, Rob Bareham ZS1SA and his spouse, Anne, who is the Secretary of CTARC. More on P7.

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Club Meetings / Klub Vergaderings

Club Committee Meeting :

The next Committee Meeting will be on Tuesday, the 19th of March 2019 from 18h30 at Pretoria Old Motor Club.

In the next Edition of Watts: More about the recent developments in the discovery of the Super-heavy elements 101 - 120 and the "Sea of Stability"; and what is Hot Dip Galvanizing all about.

PARC Committee Members : 2018 – 2019 / PARK Komiteede : 2018 - 2019

Name & Callsign	Portfolio/s	Email Address	Tel No	Mobile No
Louis de Wet ZS6SK	Chairman, Watts, Club History	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
Etienne Naude ZS6EFN	SARL Liaison, Bulletin Coordinator	etienne@afgrid.com	012-661-6745	082-553-0542
Irene Myburgh ZS6IEA	Club Secretary	irene@srsa.gov.za	012-304-5109	082-462-6001
Johan de Bruyn ZS6JHB	Rallies, Repeaters & Membership	zs6jhb@gmail.com	012-803-9418	079-333-4107
John Minter ZS6LED	Technical & RAE Training	john.minter.za@gmail.com	012-349-0019	083-291-5422

PARC Co-opted Members : 2018 – 2019 / PARK Ge-koopteerde Lede : 2018 - 2019

Name & Callsign	Portfolio/s	Email Address	Tel No	Mobile No
Alméro Du Pisani ZS6LDP	Flea-markets	almero.dupisani@up.ac.za	012-420-3779	083-938-8955
Tony Crowder ZS6CRO	Auditor	tcrowder@telkomsa.net	011-672-3311	
Nic Louw ZS6NWL	Youth Development	nic.louw@telkomsa.net		083-596-1026
Whitey Joubert ZS6JJJ	Social & Competitions	zs6jjj@gmail.com	012-993-2267	072-120-4516
Pierre Holtzhausen ZS6PJH	Competitions	zs6pjh@gmail.com		082-575-5799
Pieter Myburgh ZS6PAM	Repeaters	wooden@mweb.co.za		076-140-7562

Birthdays and Anniversaries / Verjaarsdae en Huweliks Herdenkings

Member's Birthdays March 2019 / Lede Verjaarsdae Maart 2019

11 Des van Schalkwyk ZR6JET	22 Ivan Jancuska (Hon Mem) ZS6CCW
14 Uys Classen ZS6UYS	24 Marike Roux ZS6MRX
22 Julian Bouttell ZS6AOU	27 Sarel Stapelberg ZS6EK

Spouse's March 2019 / Gades Maart 2019

05 Sue, spouse of Tony Crowder ZS6CRO
 12 Rita, spouse of Vitor Gouveia ZS6VG
 18 Estelle, gade van Pierre Duminy ZS6FPS
 18 Joydene, gade van Albert Schreuder ZS6SE
 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 2019 / Herdenkings Maart 2019

06 Pikkie en Willie Classen ZS6IAM
 23 Fiona en Etienne Naude ZS6EFN
 25 Irene ZS6IEA en Pieter Myburgh ZS6PAM
 26 Sharmaine en Louis de Wet ZS6SK
 31 Liezel en Sybrand van der Spuy (No Callsign)

Member's Birthdays April 2019 / Lede Verjaarsdae April 2019

10 Nic Louw ZS6NWL	24 Jaco Steyn ZSL6119
16 Andre Roux ZS6ARX	29 Jyri Hamalainen ZR5AAE
19 Etienne Naude ZS6EFN	

Spouse's April 2019 / Gades April 2019

10 Joey, spouse of Graham Reid ZS6GJR
 15 Joanne, spouse of Evan Seligmann ZS6ELI
 16 Andre, gade van Marike Roux ZS6MRX
 22 Marita, gade van Roy Alexander ZS6MI
 27 Ronel, gade van Emil Bohme ZS6EGB
 29 Heather, spouse of Vincent Harrison ZS6BTY

Anniversaries April 2019 / Herdenkings April 2019

06 Lyn en Andre van Tonder ZS6BRC (Erelid)
 10 Joanne and Evan Seligmann ZS6ELI
 30 Joey and Graham Reid ZS6GJR

Lief en Leed / Joys and Sorrows



Dit is met leedwese dat ons verneem het van die afsterwe van Gideon Bothma ZS6BZT op die 21ste Februarie 2019. Hiermee ons innige meegevoel vanaf die Komitee en Klublede van Pretoria Amateur Radio Klub. Gideon word oorleef deur sy vrou Magda en sy seun Christo Bothma en twee dogters Madelein Schoombée en Sandra Prinsloo.

PARC Membership Fees / PARK Ledegelde

During the 2018 AGM, the decision was made that Club Fees would not be increased for the financial year. Club Fees therefore remain at R160 for Ordinary Members, and R60 for Pensioners and Spouse. Gedurende die 2018 AJV, die besluit is geneem dat Klub Ledegelde nie verhoog sal word 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 Sondagoggende 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 wat behartig word deur Hans ZS6KR.

PARC Bulletin Presenters : January - April 2019

Date	Presenter	Date	Presenter
20 January 2019	Johan de Bruyn ZS6JHB	24 March 2019	Louis de Wet ZS6SK
27 January 2019	Louis de Wet ZS6SK	31 March 2019	Etienne Naude ZS6EFN
3 February 2019	Etienne Naude ZS6EFN	7 April 2019	Alméro Du Pisani ZS6LDP
10 February 2019	Alméro Du Pisani ZS6LDP	14 April 2019	Johan de Bruyn ZS6JHB
17 February 2019	Johan de Bruyn ZS6JHB	21 April 2019	Louis de Wet ZS6SK
24 February 2019	Louis de Wet ZS6SK	28 April 2019	Etienne Naude ZS6EFN
3 March 2019	Etienne Naude ZS6EFN	5 May 2019	Alméro Du Pisani ZS6LDP
10 March 2019	Alméro Du Pisani ZS6LDP	12 May 2019	Johan de Bruyn ZS6JHB
17 March 2019	Johan de Bruyn ZS6JHB	19 May 2019	Louis de Wet ZS6SK

PARC Fleamarket Dates 2019 / PARK Snuffelmark Datums 2019

The following dates are set for PARC Flea Markets in 2019:

The volgende datums is vasgestel vir PARK Snuffelmarkte in 2019:

6 April ; 3 August / 3 Augustus ; 2 November

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

Diary of Contests & Events / Dagboek van Kompetisies en Gebeure

Contests and Events - March 2019 / Kompetisies en Gebeure - Maart 2019 (UTC Times)	
02 - 03	ARRL International DX Contest, SSB: 00h00Z - 24h00Z
03	SARL Hamnet 40m Simulated Emergency Contest: 12h00Z - 14h00Z
09 - 10	RSGB Commonwealth Contest: 10h00Z - 10h00Z
09 - 10	SARL VHF/UHF Analogue Contest: 10h00Z - 10h00Z
13	RSGB 80m Club Championship, CW: 20h00Z - 21h30Z
16 - 17	Russian DX Contest: 12h00Z - 12h00Z
22	World Water Day
28	RSGB 80m Club Championship, SSB: 20h00Z - 21h30Z
30 - 31	CQ WW WPX Contest, SSB: 00h00Z - 23h59Z
Contests and Events - April 2019 / Kompetisies en Gebeure - April 2019 (UTC Times)	
01	RSGB 80m Club Championship, CW: 19h00Z - 20h30Z
04	SARL 80m QSO Party: 17h00Z - 20h00Z
06	RaDAR Challenge
06	Pretoria Amateur Radio Club Flea Market: From 10h00 at Pretoria Old Motor Club
06 - 07	SARL VHF/UHF Digital Competition
06 - 07	SP DX Contest 15h00Z - 15h00Z
10	RSGB 80m Club Championship, SSB: 19h00Z - 20h30Z
13	SARL Day of the Radio Amateur : SARL AGM and Awards Dinner, Stellenbosch
13 - 14	JIDX CW Contest: 07h00Z - 13h00Z
14	Hungarian Straight Key Contest: 15h00Z - 17h00Z
18	World Amateur Radio Day: "Celebration of the contribution of Amateur Radio to Society"
19 - 20	Holyland DX Contest: 21h00Z - 21h00Z
20 - 21	YU DX Contest: 21h00Z - 17h00Z
25	RSGB 80m Club Championship, Data: 19h00Z - 20h30Z
27 - 28	10-10 International Spring Contest, Digital: 00h01Z - 23h59Z
27 - 28	SP DX RTTY Contest: 12h00Z - 12h00Z
27 - 28	Helvetia Contest: 13h00Z - 12h59Z
More information can be obtained from the SARL website, as well as the WA7BNM contest calendar at the following website: http://hornucopia.com	

PARC Participation in Local Contests for 2019

The Pretoria Amateur Radio Club intends getting back with full force into the contest game during 2019. Under the leadership of Pierre Holtzhausen ZS6PJH, PARC is going to participate in all the South African Radio League contests hosted in 2019. Details of local contests are listed below:

South African Radio League QRP Contests:

Summer: 26 January 2019: 12:00 to 15:00 UTC

Autumn: 20 April 2019: 12:00 to 15:00 UTC

Winter: 20 July 2019: 12:00 to 15:00 UTC

Spring: 12 October 2019: 12:00 to 15:00 UTC

South African Radio League National Field Days:

Summer: 10:00 UTC on Saturday 9 February to 10:00 UTC on Sunday 10 February 2019

Spring: 10:00 UTC on Saturday 14 September to 10:00 UTC on Sunday 15 September 2019

South African Radio League HF Phone, Digital & CW Contests from home:

SSB: 14:00 to 17:00 UTC on Sunday, 4 August 2019

Digital: 14:00 to 17:00 UTC on Sunday 18 August 2019

CW: 14:00 to 17:00 on Sunday 25 August 2019

For more information on contest participation, please do contact Pierre Holtzhausen ZS6PJH at zs6pjh@gmail.com or 082-575-5799.

SARL Day of the Radio Amateur: PARC Members to receive Awards

The South African Radio League Day of the Radio Amateur will be held on the 12th and 13th of April 2019. The Annual General Meeting and Awards Dinner will be hosted by the Boland Amateur Radio Club and the AGM will take place at the Data Voice House Auditorium, Techno Park, Stellenbosch. On the evening of the 13th, the SARL Awards Dinner will take place at the Stellenbosch Golf Club. It is with great pleasure to announce that three Members of Pretoria Amateur Radio Club have been nominated for awards. PARC wishes to congratulate Hans Kappetijn ZS6KR (Honorary member), Alméro Du Pisani ZS6LDP and Johan Lehmann ZS6JPL sincerely on their achievements and the awards they are to receive at the awards dinner. Equally important, the Committee and Members of PARC sincerely thanks these fine gentlemen for their most appreciated service to the Club and Amateur Radio.

For more information on the SARL Day of the Radio Amateur, please refer to the following link on the SARL website: <http://www.sarl.org.za/Web3/DocumentStore/201903010829388FyrDdq007.PDF>



Hans Kappetijn ZS6KR (Honorary Member) will be receiving the Willie Wilson Gold Badge, which is awarded by Council to a SARL Member that gave exceptional and meritorious service to the League. In addition, Hans will also receive the Silent Keys Memorial Trophy, CW. Congratulations to Hans.



Alméro Du Pisani ZS6LDP and Johan Lehmann ZS6JPL will both receive the Jack Twine Merit Award which recognizes qualities such as unselfishness, clean operating and a genuine interest in Amateur Radio and it's affairs. This prestigious Award is made to SARL members, who, in the opinion of their fellow amateurs and the League's Council, exemplify the qualities desirable in a Radio Amateur. Johan Lehmann will also receive the SAATI Technology Award. Congratulations to Alméro and Johan.

Tydren Nuus : Johan de Bruyn ZS6JHB



Met die 2019 tydren seisoen wat binnekort afskop, kan ons weer uitsien na 'n besige program. Die Tydren Kalender is voorsien deur Johan de Bruyn, wat tydren aktiwiteite koordineer. Indien u belangstel om deel te wees van tydren radio-diens, kontak gerus vir Johan by 079-333-4107 of zs6jhb@gmail.com. Die voorlopige datums van die Nasionale- en Streekstydrerne word onder aangedui.

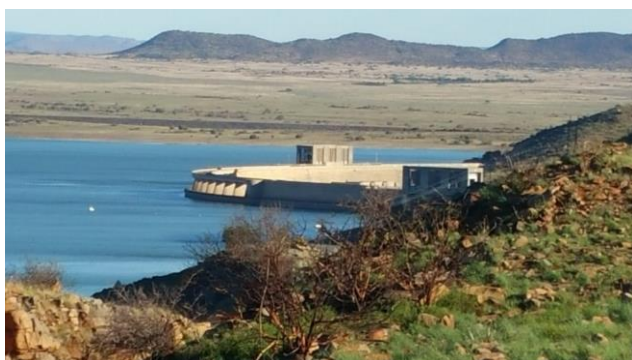
With the 2019 rally season commencing soon, we can again look forward to a busy program. The Rally Calendar was provided by Johan de Bruyn, who is the coordinator of rally activities. If you are interested in becoming part of rally radio-service, feel free to contact to contact Johan at 079-333-4107 or zs6jhb@gmail.com. The preliminary dates of the National- and Regional rallies are presented below.

9 March 2019	Regional Event : to be announced
26 April 2019	York Rally Sabie
28 June 2019	PMC Rally
23 August 2019	To be announced
27 September 2019	Secunda Rally
25 October 2019	Electrothread Rally



Alméro ZS6LDP at Cape Town Amateur Radio Club Flea Market

Alméro Du Pisani ZS6LDP and his wife Louise, recently went on a three-week road trip via Upington to the Cape Province, covering a distance of approximately 4500 kilometers. During their travels they visited the Cape Town Amateur Radio Club in Rondebosch on the 2nd of March when the Club was hosting it's flea market. Alméro submitted a number of photographs of the event, as well as some photographs of the Gariep Dam as they were returning home. We hope that Alméro and Louise had a restful time despite the long distance travelled.



World Amateur Radio Day 18 April 2019

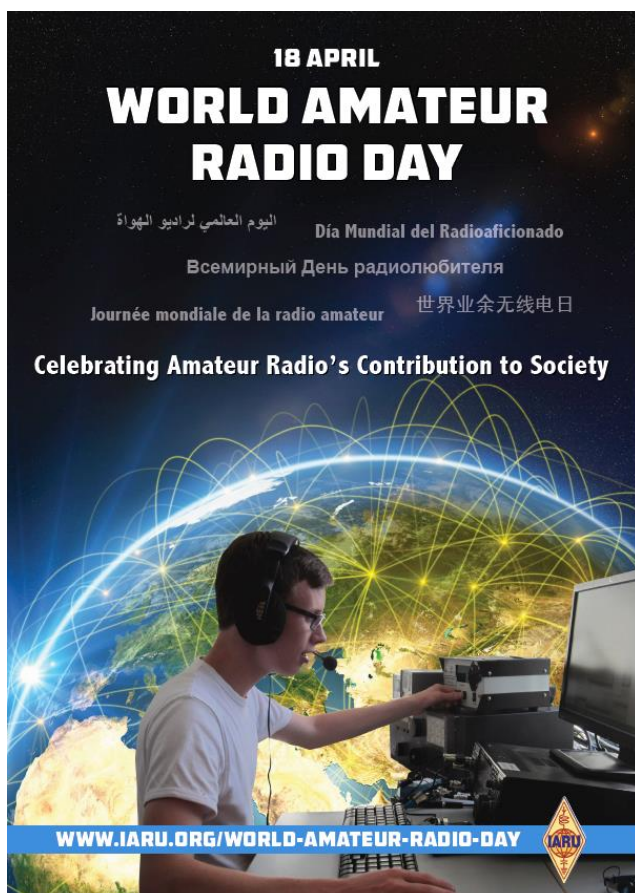
On the 18th of April 1925 the International Amateur Radio Union was formed in Paris, hence the annual celebration of this event worldwide.

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 more than 3,000,000 licensed operators!

World Amateur Radio Day is the day when IARU Member-Societies can show our capabilities to the public and enjoy global friendship with other Amateurs worldwide. *The text of this article was copied from:* <http://www.iaru.org/world-amateur-radio-day.html>



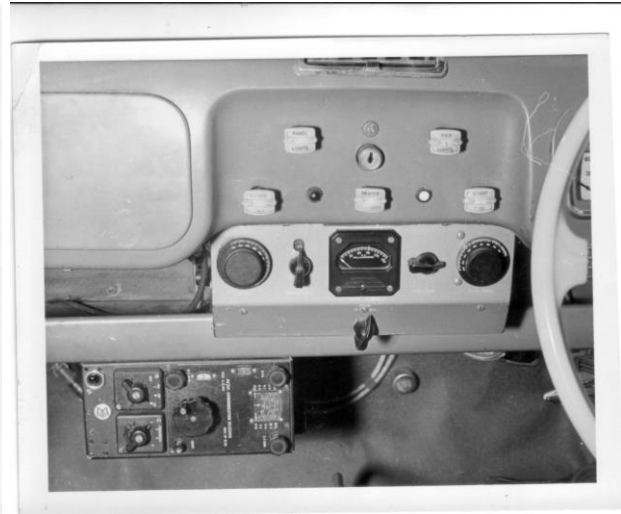
This poster can be downloaded from the website address shown above for World Amateur Radio Day. Any Club may download it to promote WARD in their area. There are two sizes: 61cm x 91cm and a small (A4) flyer.

PARC History

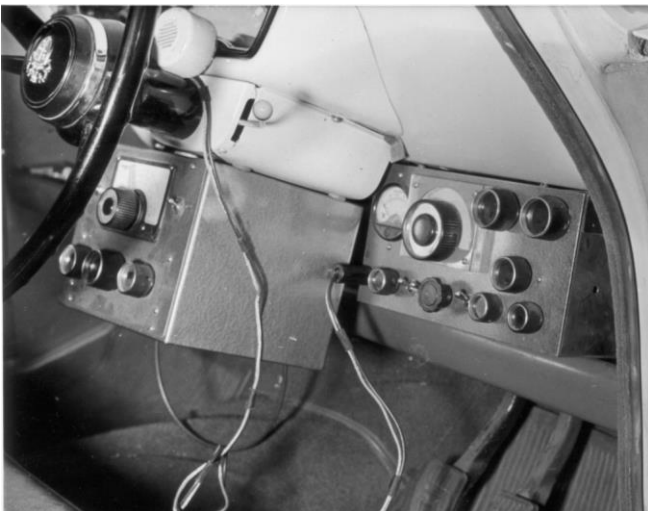
In the following issues of Watts, we will present historical photographs of Club Members and activities. Watts has received a mountain of photographs in electronic format from Hans Kappetijn ZS6KR (Honorary Member) and we sincerely thank him for his great contribution. We would like to encourage anyone who has historical material available to contact the Editor of Watts (Louis de Wet ZS6SK : louis.zs6sk@gmail.com) as we would like to compile a Commemorative Album for the 90th celebration of PARC. Please enjoy a selection of early photographs supplied by Hans. In tis edition, we enjoy some of the mobile rigs our members used ☺.



Andre Lieb du Toit ZS6AQ



Dennis ZS6EK



Tubby Gilson ZS6AJO



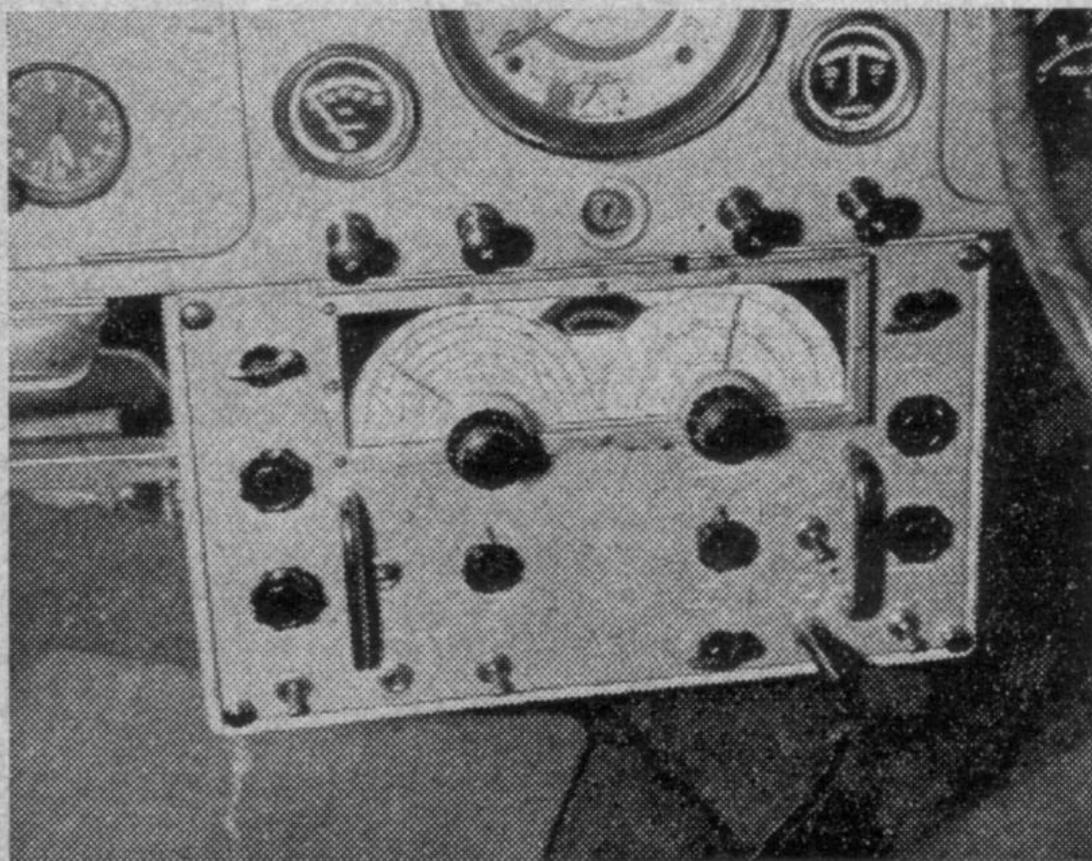
Ritchie ZS6ET

On the following page a short article submitted by Mike Rowland ZS6AFG (SK) on the challenges those days using mobile radios for motor racing and rally support, as well as picnics and fields days. If we think how technology has progressed to the solid-state miniaturized sets we use, we can only smile with gratitude.

HAMMING ON THE MOVE

By

There are many different aspects to this hobby of ours, and I think that mobile operation is certainly one of the most fascinating. Apart from the technical side of things it also allows the whole family to get out in the open and perhaps makes one a little more popular with the XYL. Apart from hamfest-picnics, field days, etc., the Pretoria mobile group are frequently called upon to provide communications for motor races and rallies and have usually turned out quite a good job. They have even had a ham motor rally on their own!



ZS6AFG's Mobile Rig.

Long Term HF Propagation for March 2019: 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.

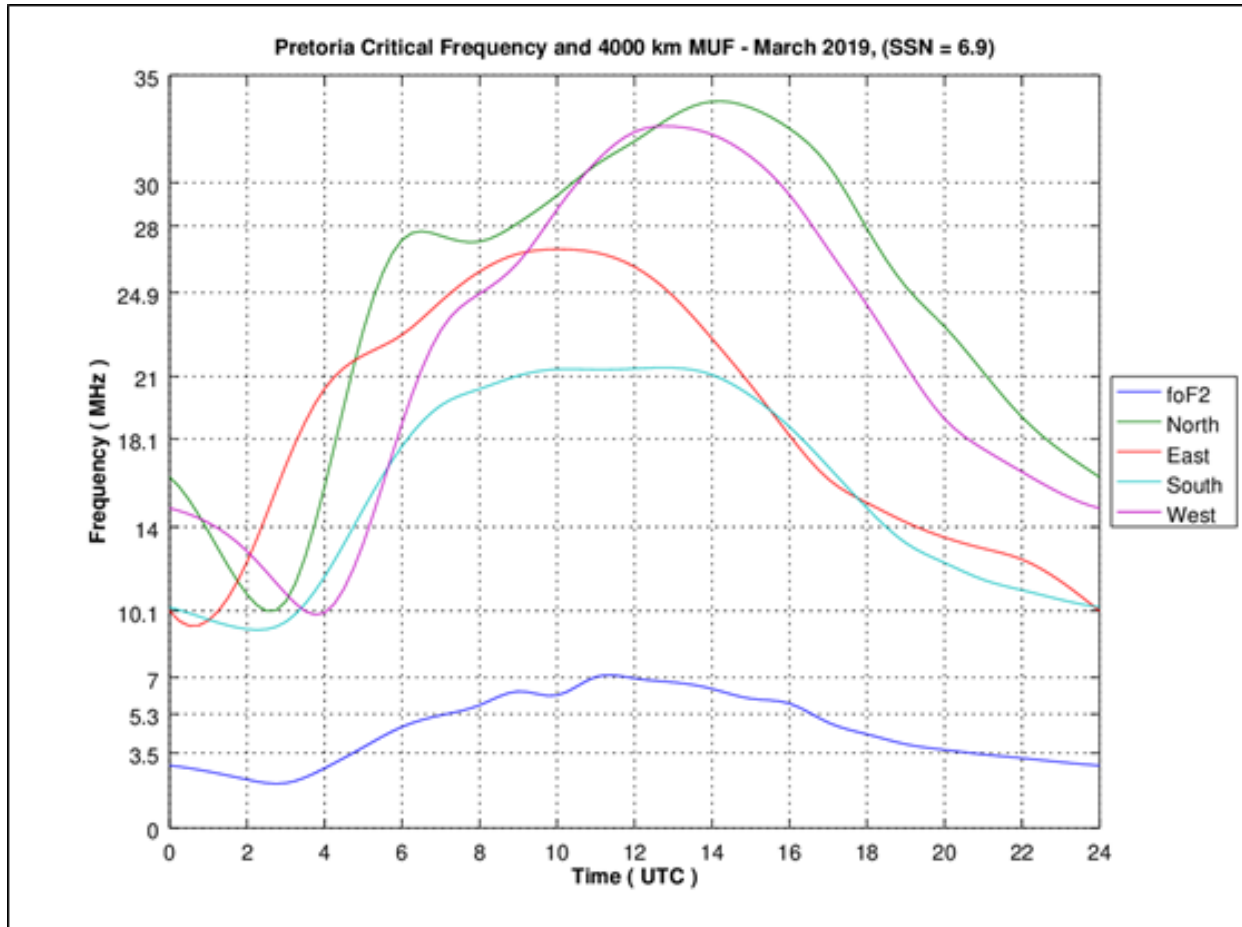
Long Distance Propagation: The MUF for a first hop of 4000 km in the cardinal directions is labeled North, East, South and West. They indicate the direction that propagation may be expected.

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.

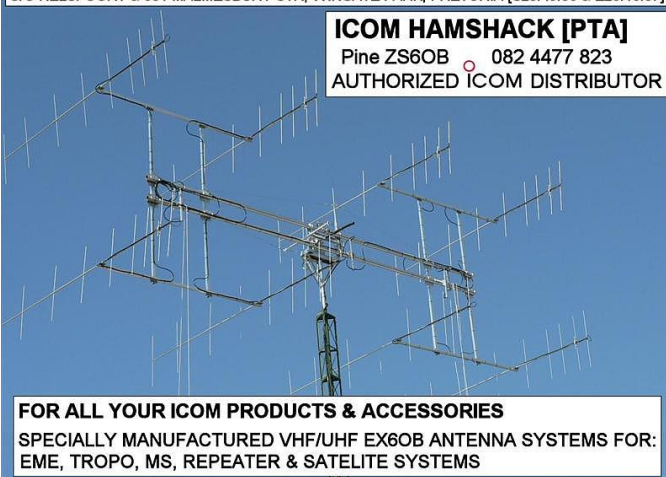
^[2] Silso 12-month forecasts of the monthly sunspot number (<http://sidc.oma.be/silso/FORECASTS/prediML.txt>)



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