



WATTS 12-2017

Year 87 + 12m

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 on Sundays / Sondag at 08:45
 Relays: 1.840, 3.700, 7.066, 10.135, 14.235, 51.400, 438.825, 1297 MHz
 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 19:45



Pretoria Amateur Radio Club hereby wishes all Members, Family Members and Listeners a Blessed Festive Season and a Prosperous 2018!

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Club Meetings / Klub Vergaderings

Club Social Meeting :

There will be no Club Meetings for the remainder of 2017. Dates for Club Meetings and Flea Markets will be published in the January 2018 Edition of Watts

Birthdays December / Verjaarsdae - Desember

01 Pieter Fourie ZS6CN
 07 Tim Meyer ZS6TIM
 07 Hansie Meyer ZS6AIK
 08 Nielmari Wilson ZS6NMW
 08 Hans Kappetijn (Hon Mem) ZS6KR

15 Almero Du Pisani ZS6LDP
 27 Pierre Britz ZR6ADZ
 28 Allan de Souza ZS6AVC
 30 Hans van de Groenendaal ZS6AKV

Spouse's Birthdays December / Gade Verjaardae - Desember

06 Sylvia, gade van Tjerk Lammers (Erelid) ZS6P
 12 Elsa, gade van Fritz Sutherland ZS6SF
 23 Dienkie, gade van Pierre Britz ZR6ADZ

Anniversaries December / Herdenkings - Desember

08 Avida en Theo Bresler ZS6TVB
 29 Estelle en Pierre Duminv ZS6FPS

Birthdays January 2018 / Verjaarsdae - Januarie 2018

05 Pierre Holtzhausen ZS6PJH

10 Wynand Wessels ZR6WW

Spouse's Birthdays November / Gade Verjaardae - November

18 Zeld, gade van Wynand Wessels ZR6WW
 25 Magriet, gade van Tobie Jansen van Rensburg ZS6ZX

Anniversaries November / Herdenkings - November

05 Louise en Louis (Almero) Du Pisani ZS6LDP
 07 Doréén en Johan du Bruyn ZS6JHB
 11 Judy and David Bazil Botha ZS6O

Lief en Leed / Joys and Sorrows

Sharmaine de Wet, gade van Louis ZS6SK, se pa is tydens 'n operasie oorlede. PARC wens hiermee ons medelye en sterkte aan die gesin en familie.

PARC Bulletins / PARK 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 438.025 MHz. Relays are done on 7.060 MHz by Hans Kappetijn ZS6KR and on Echolink by Johan Lehman ZS6JPL.

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.

PARC Bulletin Presenters : November - December 2017			
Date	Presenter	Date	Presenter
15 October 2017	Etienne Naude ZS6EFN	26 November 2017	Johan du Bruyn ZS6JHB
22 October 2017	Tjerk Lammers ZS6P	03 December 2017	Louis de Wet ZS6SK
29 October 2017	Johan du Bruyn ZS6JHB	10 December 2017	Etienne Naude ZS6EFN
05 November 2017	Almero du Pisani ZS6LDP	17 December 2017	Almero du Pisani ZS6LDP
12 November 2017	Etienne Naude ZS6EFN	24 December 2017	Johan du Bruyn ZS6JHB
19 November 2017	Almero du Pisani ZS6LDP	31 December 2017	Louis de Wet ZS6SK

Please do contact Etienne Naude ZS6EFN for more information or any Bulletin arrangements

PARC SUBS : PARK LEDEGELD : FROM / VANAF : 30-06-2017

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 ledegedelde 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 Committee Members Contact Details / Komiteelede Kontakbesonderhede : 2017 - 2018

<u>Elected Members</u>	<u>Name</u>	<u>Callsign</u>	<u>Email Adress</u>	<u>Tel No</u>	<u>Mobile No</u>
Chairman, Web co-ordination	Graham Reid	ZS6GJR	greid@wol.co.za	012-667-2720	083-701-0511
Vice Chairman, Treasurer & Rallies	Johan de Bruyn	ZS6JHB	zs6jhb@gmail.com	012-803-9418	079-333-4107
RAE Training, Bulletins & SARL Liaison	Etienne Naude	ZS6EFN	etienne@afrigrid.com	012-661-6745	082-553-0542
Club Secretary	Irene Myburgh	ZS6IEA	irene@srsa.gov.za	012-304-5109	082-462-6001
Social & Contests	Whitey Joubert	ZS6JJJ	zs6jjj@gmail.com	012-993-2267	072-120-4516
Watts Newsletter & RAE Assistance	Louis de Wet	ZS6SK	louis.zs6sk@gmail.com	012-349-1044	072-140-9893
Youth Development & Competitions	Nic Louw	ZS6NWL	nic.louw@telkomsa.net		083-596-1026
RAE Training & Technical	John Minter	ZS6LED	john.minter.za@gmail.com	012-349-0019	083-291-5422
<u>Co-Opted Members</u>	<u>Name</u>	<u>Callsign</u>	<u>Email Adress</u>	<u>Tel No</u>	<u>Mobile No</u>
Fleamarkets	Alméro DuPisani	ZS6LDP	almero.dupisani@up.ac.za	012-420-3779	083-938-8955
Auditor	Tony Crowder	ZS6CRO	tcrowder@telkomsa.net	011-672-3311	

Contests and Diary of Events - December 2017 / Kompetisies en Dagboek van Gebeure - Desember 2017 (UTC Times)	
01	Start of YOTA Month
01 - 03	ARRL 16-Meter Contest : 22h00 - 16h00
03	SARL Digital Contest : 13h00 - 16h00
09 - 10	ARRL 10-Meter Contest : 00h00 - 24h00
15	Russian 160-Meter Contest : 20h00 - 24h00
15	OK DX RTTY Contest : 00h00 - 24h00
16 - 17	Croatian CW Contest : 14h00 - 14h00
31	End of YOTA Month
Contests and Diary of Events - January 2018 / Kompetisies en Dagboek van Gebeure - Januarie 2018 (UTC Times)	
01	Start of the 2018 CQ Marathon
01	Start of the ARRL International Grid Chase (See SARL 18 November Weekly News)
14	DARC 10-Meter Contest : 09h00 - 10h59
14	NRAU Baltic Contest, SSB : 09h00 - 11h00
20	LZ Open Contest : 00h00 - 04h00
20 - 21	Hungarian DX Contest : 12h00 - 12h00
26 - 28	CQ 160-Meter Contest, CW : 22h00 - 21h59
27 - 28	UBA DX Contest, SSB : 13h00 - 13h00
30	Closing date for proposals and synopses for AMSAT SA Symposium papers
31	Closing date for nominations for Council and SARL Awards and for AGM motions
More information can be obtained from the SARL website, as well as the WA7BNM contest calendar at the following website: http://hornucopia.com	

Club Members take a break

Theo ZS6TVB and Charles ZS6CJM - both relatively new operators - have organized some dramatic QTH changes with the expert help and supervision of Pieter ZS6PA to get towers and antennas properly and safely installed for long-term reliability. We have already heard Theo work the world and Charles should soon join in. Only a few pictures can be shown but even these show what commitment was necessary.



Charles and Pieter



Pieter harnessing Theo



Theo's installation



Charles' tower



Pieter and Charles taking a break



Theo and Pieter doing tricky maneuvers

Antique Wireless Association Annual General Meeting

The Annual General Meeting of the Antique Wireless Association was held on the 18th of November at the premises of the South African Institute of Electrical Engineers in Observatory, Johannesburg. Since 2016, the membership has grown to approximately 266. Various donations of electronic equipment as well as cash have been received by AWASA, and all contributors were thanked sincerely. Oliver Gerondeanos ZS6OG, who is the representative at the SAIEE museum, thanked everyone for their efforts in maintaining the museum. Currently they are looking for information and equipment on the old underground communication sets that were used on the mines and for frequency hopping radio. Anyone with information or who wishes to assist Oliver, is welcome to contact him.

The Geoff Wright SK CW Floating Trophy was awarded to Andy Cairns ZS6ADY, who has made the most contributions towards CW during this past year.

Jacques Scholtz ZS6JPS, who was the President of AWASA the past two years, handed the position over to the new President, John Watson ZS1WJ. Renato Bordin ZS6REN was appointed as Vice President, while Oliver ZS6OG was accepted as Historian for AWASA, and Rad Handfield-Jones ZS6RAD was re-appointed as Technical Advisor, Andy ZS6ADY re-appointed as Secretary/PRO, and Don Radford ZS5DR re-appointed as elected member for KZN.

Jacques ZS6JPS closed the meeting and expressed his thanks and appreciation to all who has assisted him during his time as President. The meeting was followed by a flea-market and a braai.



Outgoing President Jacques ZS6JPS



New President John ZS1WJ



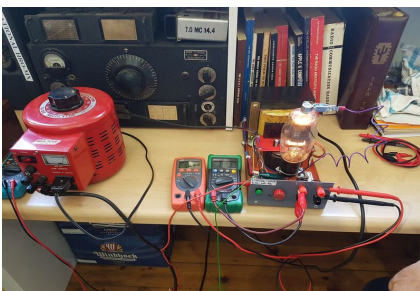
New Historian Oliver ZS6OG

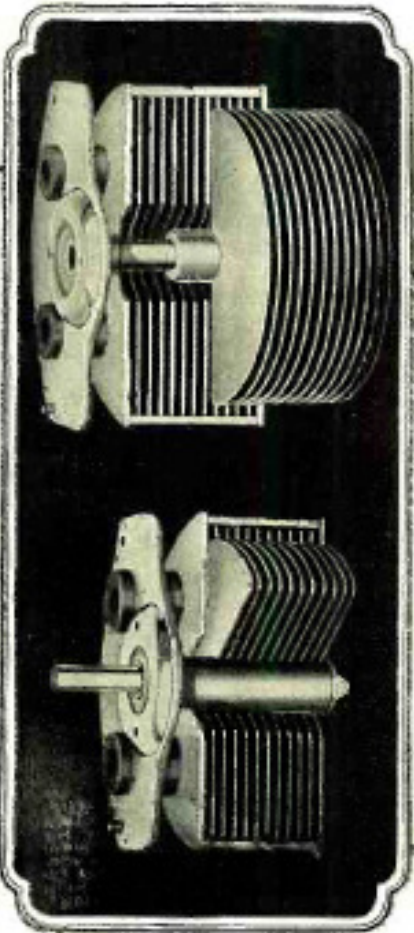
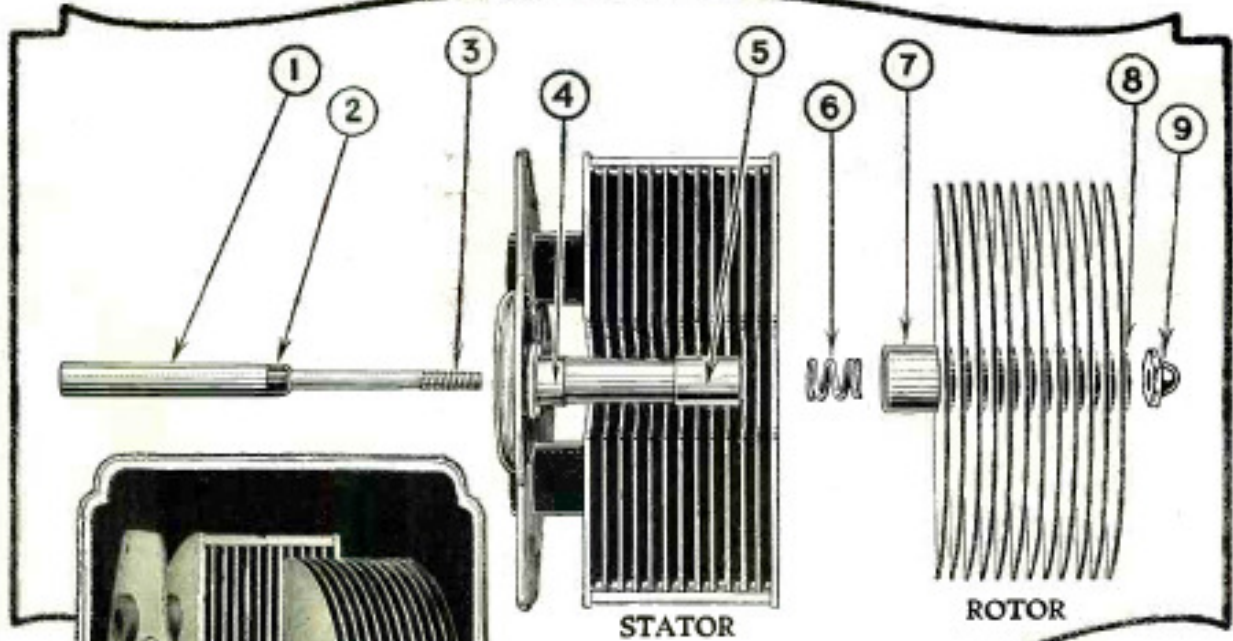


CW Recipient Andy Cairns ZS6ADY



Some moments during the AWASA AGM



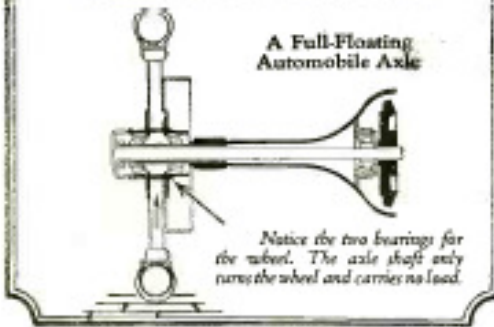


The Condenser with the "full floating axle"

The striking feature of the Bradleydenser is the rigid double bearing, based on the principle of the "full-floating" automobile axle, that eliminates the usual outer pivot-bearing for the rotor shaft, and still provides a non-sagging support that insures perfect alignment of the rotor plates.

The rotor plates, soldered on a long, hollow tube extending from [7] to [8], revolve on a hollow steel stem provided with two bearings [4] and [5]. The alignment and support of the rotor is independent of the condenser shaft [1], as shown by the first photograph at the left. The shaft [1] merely turns the rotor. It slips through the hollow steel stem and its threaded end [3] is secured to the rotor at [8] with the nut [9] as shown in the second photograph. The spring [6] prevents end-play.

This design, combined with the use of soldered brass plates, results in a rugged, long-life condenser of extremely high efficiency. For superior service use the Bradleydenser.



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PERFECT VARIABLE CONDENSER

"Quality Goods for Quality Readers"



How I Earn \$100⁰⁰ a Week as a Radio Expert

A year ago I was mighty blue and discouraged. It seemed to me that I would never be more than a low-paid bank clerk. Of course I had a small increase in salary every now and then, but I knew that pretty soon I would reach my limit and there would be no further advancement for me. What future had I to look forward to? Where would I be in five years? I became restless and discouraged and began to look around for some other opportunity.

It was then that I discovered that the demand is for trained men, that the opportunities are all for men who can do some one thing better than anything else. There were wonderful opportunities for men who were experts or specialists—but I was—a clerk. How I regretted then that I hadn't prepared myself for some definite career!

I Wanted to Marry

The thing that made me more restless at that time than anything else was the fact that Marian and I were—that is, we wanted to be married. But we both knew that we couldn't possibly get along on my small salary. If only there was something I could do that would bring me a larger salary!

It was just about the time that everyone became so interested in radio. Our whole town became radio-mad, and of course what was happening in our town was happening all over the country—all over the world. I managed to save up enough to buy a receiving set and I was never quite so happy as when I was trying to tune in on stations.

The thing fascinated me. Playing with air waves! Bringing melodies and messages out of the sky! I was never so interested in anything before.

Marian was the first to sense the great opportunity. "Why don't you become a radio expert?" she said. "You like it, and I am sure there must be a big demand for

men who understand it. It's a new field and there's plenty of room for wide-awake men."

"But—but I'm not trained!" The thought excited me. To be a radio expert! To find my future in this fascinating new field! "I don't know anything about it, Marian" I said. "I wish I did, though."

"Well, why don't you find out about it?" she retorted. "You can't learn about radio just by listening in to the concerts. Why don't you take a course?"

But we found out that most courses were expensive or that they would interfere with my other work. We were about discouraged when I discovered that through the National Radio Institute it is possible to become a radio expert by studying right at home in spare time. I told Marian about it and she was elated. "Send off for information, at once—today!" she exclaimed.

Advances Quickly to \$100 a Week

I did, and the following day received an attractive booklet, "Rich Rewards in Radio" telling all about radio opportunities and how to become an expert in any particular phase of the work.

Here was my opportunity at last!

I began to study in all my spare time. It was the most interesting and absorbing study I had ever made. The secret of the radio revealed to me! Day by day I became more skilled and deft until I was able to take apart receiving sets and put them together again as though I were playing with a toy. It was fun! In a month I was able to take a position as lineman at a bigger salary than I was getting at the bank. This was wonderful experience for me, and I kept right on with my studies. It wasn't long before I qualified for a position as radio engineer at a salary of \$100.00 a week! That is what I am earning now, though I expect to make more soon. It seems to me almost too good to be true, after all those

years as a low-paid clerk in a bank. And Marian, who will soon be my bride, keeps saying, "I told you so!"

As a radio expert I can tell you that there is a tremendous demand for men who can build, sell and install radio sets, who can design, test, repair. Men are needed as operators, engineers and executives, all over the world. The opportunities are limitless, and if you like radio there is no reason why you cannot qualify for one of these positions by studying in your spare time at home as I did.

The National Radio Institute offers an absolutely complete course which prepares you for the Government First Class Commercial License and for the bigger-paying jobs in Radio. The Director, E. R. Haas, will be glad to send you all details of their marvelous new method of practical instruction, including information concerning the Free Employment Service which secures positions for National Radio Institute graduates. Everyone interested should have this information. It's free, and this coupon will bring it to you. I advise you to send it off today. Radio is a new and interesting field, and it offers you more money than you probably ever dreamed possible!

Important

Those who mail the coupon at once will also receive details of Special Short Time Reduced Rate. Do it now.

National Radio Institute, Dept. 46DB,
Washington, D. C.

I am interested in radio and would like to find out whether or not I am suited for a radio career. Please send me, without the slightest obligation, your interesting free book called "Rich Rewards in Radio." Also full details concerning your special Short Time offer.

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With a Radio set of only moderate ability, Superspeaker reproduction of nearby stations might often be stronger than you could possibly need.

But there is always the Superspeaker Volume Control. With it you can modify the heaviest message almost to a whisper. Yet it also puts at your command the greater power you need behind your set, as you reach out and sweep the ether for messages from far away.

This same Volume Control makes you independent of varying battery strength, and enables you to balance delicately every change in temperature or humidity.

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A high quality musical instrument handsomely finished in ebony gloss, standing 26 inches high and weighing more than five pounds. No extra batteries or coils. Nothing to wear out. Built complete by a manufacturer whose reputation, resources and ability are common knowledge throughout the industry.

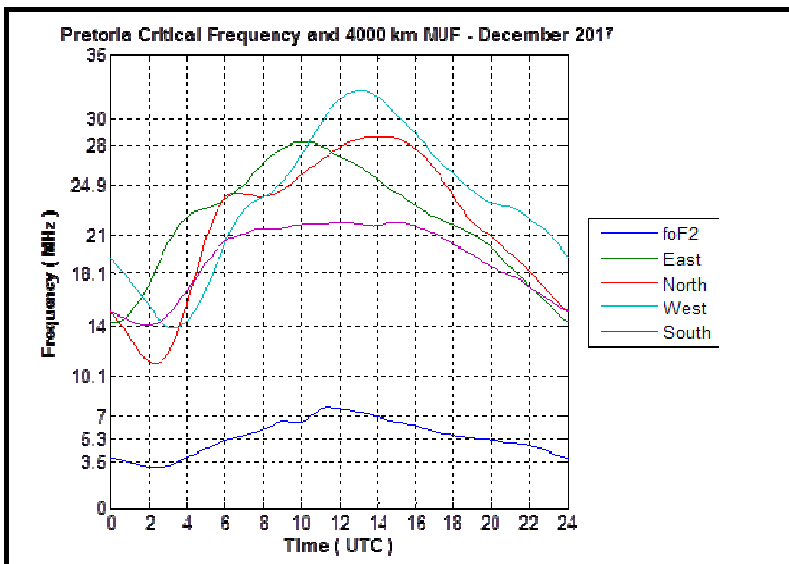
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Long Term HF Propagation for December 2017

DX Operating

The graph shows the 4000 km maximum useable frequency (MUF) to the East, North, West and South from Pretoria for the first hop using the F2 layer.

Local Operating

The F2 critical frequency (foF2) is the maximum F-layer frequency for short range communications.

For worldwide propagation see:

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

Courtesy Vincent ZS6BTY

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

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 - Connectors RF and Audio
 - Plug-in triple sequential industrial timers
- Contact Hans at 012-333-2612 or 072-204-3991

Some quaint post-WWII radio-electronic products and advertisement hype.

“SUPREME Oscillators cannot measure the wavelength of you dollars, but they can increase the frequency by which they find themselves stopping in your cash register”

“Early in my course I show you how to build this Tester with parts I send. It soon helps you neighborhood radios and earn EXTRA money in spare time”

Coyne’s Radioman’s Handbook: “I am not asking you to send any money – not a single penny. I am so sure this is the book you want and need that I will send it to you for 7 days FREE. Then you look it over and you decide....”

“This one big 3½lb book does the trick : No previous training needed. Learn as fast as you can read”.

Capitol Radio Training Institute: “Are you a pre-war model? Face the facts! You must keep up – or be left behind.

“You can add up your income with a Soldering Iron! You may not have realized that every minute your Soldering Iron is busy, you are busy making money. A complete “Find and Fix” reveals parts about to go as well as those that are shot....”