

WATTS

12-2015

Year 85 ± 12m

Monthly Newsletter of the Pretoria Amateur Radio Club Maandelikse Nuusbrief van die Pretoria Amateur Radio Klub

PARC, PO Box 73696, Lynnwood Ridge 0040, RSA

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Bulletins: 145.725 MHz on Sundays / Sondae 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 Swopshop: 2m and 7.066 MHz live on-air after bulletins Bulletin repeats on Mondays / herhalings op Maandae: 2m 19:45



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Club Meetings / Klub Vergaderings

Club Social Meeting:

Saturday 5th of December from 11:00 AM at the SAM Clubhouse

Committee Meeting:

No Committee Meeting is scheduled for December 2015



PRETORIA AMATEUR RADIO CLUB / PRETORIA AMATEUR RADIO KLUB KOMITEE 2016 / COMMITTEE 2016

The following PARC Members were elected as Committee Members for 2016



Johan de Bruyn ZS6JHB Chairman, Rallies & Social



Pierre Holtzhausen ZS6PJH Vice-Chairman, Contests



Andre van Tonder ZS6BRC Treasurer



Jean de Villiers ZS6ARA Secretary, Bulletin Coordinator



Etienne Naude ZS6EFN Public Relations, RAE & Bulletin Coordinator



Graham Reid ZS6GJR Web Coordinator



Craig Symington ZS6RH Repeaters



Jaco Cronje ZR6CMG Contests



Whitey Joubert ZS6JJJ Clubhouse & Contests



Gawie Marais ZS6GJM Technical, Web & Repeaters



Andre Coetzee ZS6GCA Repeaters



Louis de WetZS6SK Watts Newsletter, RAE & Clubhouse

PARC Committee Members / Komiteelede: 2015 - 2016

Elected Members
Chairman, Social & Rallies
Vice Chairman, Contests
Treasurer
Secretary, Bulletin Coordinato
Public Relations, RAE, Bulletin
Web co-ordination
Repeaters
Competitions
Clubhouse & Contests
Technical, Web & Repeaters
Repeaters
WATTS, RAE & Clubhouse
Co-Opted Members
Fleamarket
Auditor
Historian, Archives, Awards

Johan de Bruyn	ZS6JHB
Pierre Holtzhausen	ZS6PJH
Andre van Tonder	ZS6BRC
Jean de Villiers	ZS6ARA
Etienne Naude	ZS6EFN
Graham Reid	ZR6GJR
Craig Symington	ZS6RH
Jaco Cronje	ZR6CMG
Whitey Joubert	ZS6JJJ
Gawie Marais	ZS6GJM
Andre Coetzee	ZS6GCA
Louis de Wet	ZS6SK
Alméro Dupisani	ZS6LDP
Tony Crowder	ZS6CRO
Tjerk Lammers	ZS6P

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andreh.vtonder@absamail.co.za
zs6ara@webmail.co.za
etienne@afrigrid.com
greid@wol.co.za
zs6rh@hotmail.co.za
jacocronje@yahoo.com
zs6jjj@gmail.com
zs6gjm@gmail.com
Johncoetzee@absamail.co.za
louis.zs6sk@gmail.com
almero.dupisani@up.ac.za
tcrowder@telkomsa.net
zs6p@iafrica.com
230p@iamoa.com

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	012-655-0726	082-575-5799
a	012-361-3292	082-467-0287
		083-627-2506
		082-553-0542
		083-701-0511
		081-334-6817
		081-474-2220
		072-120-4516
		083-663-2222
	11.000	082-772-5811
	012-349-1044	072-140-9893
		000 000 0055
	011 070 0011	083-938-8955
	011-672-3311	000 070 4007
	012-809-0006	083-976-4387

Birthdays - December / Verjaarsdae - Desember

01 Pieter Fourie ZS6CN

07 Hansie Meyer ZS6AIK

08 Hans Kappetijn ZS6KR

15 Louis (Almero) Du Pisani ZS6LDP

27 Pierre Britz ZR6ADZ

28 Allan de Souza ZS6AVC

30 Hans van de Groenendaal ZS6AKV

31 Henk Stuivenberg ZS6CS

Please Note: If your Club fees are not paid up to date, birthday details cannot be displayed in Watts

Spouse's Birthdays - December / Desember

06 Sylvia, spouse of Tjerk Lammers ZS6P

12 Elsa, spouse of Fritz Sutherland ZS6SF

23 Dienkie, spouse of Pierre Britz ZR6ADZ

Anniversaries / Herdenkings - Desember / December

04 Henk ZS6CS en Ria Stuivenberg

08 Theo ZS6TVB en Avida ZS6AVB Bresler

Lief en Leed / Joys and Sorrows

No Sorrows to report / Geen leed om te rapporteer ©

Contests and Diary of Events – December 2015 / Kompetisies en Dagboek van Gebeure – Desember 2015 (UTC Times)				
06	ARRL 160-Meter Contest : 22h00 – 16h00			
06	SARL Digital Contest: 12h00 – 12h00			
12 - 13	ARRL 10-Meter Contest : 00h00 – 24h00			
19	OK DX RTTY Contest: 00h00 – 24h00			
19 - 20	Croatian CW Contest: 14h00 – 14h00			
26 - 27	World Wide Iron Ham Contest : 12h00 – 11h59			
31	Old Years Eve; 2105 CQ Marathon ends; End of "Youth on the Air"			

PARC SUBS / LEDEGELD FROM / VAN 30-06-2014					
Bank	First National Bank	Ouding w. Manchaus / Occurred Lade - D450	Your call sign must		
Branch Code	25 20 45	Ordinary Members / Gewone Lede : R150 Spouses / Pensioners : R50	appear as statement text!		
Account No	546 000 426 73	opodaca / Fernaloricia : Floo			
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					

PARC AGM 31 October 2015 : CHAIRMAN's REPORT

Eerstens baie welkom aan almal hier teenwoordig en dankie dat julle tyd ingeruim het om ons 85 ste AJV by te woon.

To one and all, a hearty welcome to this our 85th AGM. Thank you for taking time to be here.

A special welcome to the President of the SARL, Fritz Sutherland ZS6FS and our guest speaker for today Etienne Naude ZS6EFN and we look forward to your presentation

To my fellow committee members who supported me during the year. Thank you very much for your support and guidance. It has been said before. This is not a one man show but a team effort. Thank you once again to everyone that served on the committee this past year.

Silent keys

During the year we lost Luther Uys ZS6GE, Dereck Lambert ZS6KQ and Molly Peer ZR6MOL.

Club membership

We currently have 76 paid – up members and 7 honorary members which bring the total to 83.As you all know we are one of the biggest clubs in the country. To those members who so regularly renew their subscriptions and who is actively participate in club activities like attending the meetings, participation

during contests, rallies, reporting in on weekly bulletins, contributions to Watts ,keeping repeaters and Echo link working, and arranging and assisting with flea-markets, thank you for your support.

Club meetings.

The attendance of monthly meetings is slowly increasing, please let us know what you would like from the monthly meeting.

Repeater

Thanks to the dedication of Craig ZS6RH and assisted by Andre ZS6CGA, the repeater network is operating very well .Thank you very much. Johan Lehman, ZS6JPL, thank you for keeping our Echo link and IRLP working.

Watts

To Louis ZS6SK, editor of Watts. Thank you for putting the Watts together every month. In my opinion it is a job well done.

Rallies

To all the members of PRC and other clubs who so eagerly offer their service to do communication at all of the events. To one and all thank you for a job well done. It is always nice to receive a email from the organizers to say thank you and that they are happy with our service provided Clubhouse

Thank you Pieter ZS6CN and Annatjie for caring for the hungry who attend the monthly meetings. As you know we have moved from Tuks to SAM Clubhouse. This move was made because access to the premises and toilets became difficult. Moving forward the club need to look at what to do with the bar area .Maybe we can keep that area to utilize as a museum. We have been asked by UPE to vacate the kitchen and this needs to be done as soon as possible.

Treasurer

Andre, Thank you for all your efforts in keeping our finances in order. However the membership data base needs special attention. Need I say more?

Flea-markets

Throughout the year the flea-markets were well attended. To Almero ZS6LDP, for organizing these events. Thank you to one and all of our regular and not so regular sellers from other clubs, you are all welcome at our flea-markets.

Contests

Pierre to you and Jaco, thank you very much for your contribution during the past year's contests in the past year. If you know of somebody else that is prepared to assist us, it will be greatly appreciated. Thank you also to the visitors who pitch up on these contest days. Your support to us is appreciated.

RAE

If memory serves me right is this the fourth year that PARC is doing the assisting with preparations for the RAE . I do notice a few of the recent attendees among us. Thank you very much to Vince Harrison ZS6BTY,Louis de Wet ZS6SK ,Etienne Naude ZS6EFN for your dedication to this task.

A big apology if I did not mention your name in this list. And if you have any idea on how to improve on what we are currently doing, please do not keep quiet. Do make an effort to inform the committee. All suggestions will be listened too and feedback will be provided.

Thanks to each and every one who is here today and a very special thank you to the ladies ,Joey Reid who took control of the catering ; Annatjie, Irene and Doreen for the salads etc.

To Graham & Joey thank you for handling the trophies and certificates.

Chairman: Johan de Bruyn ZS6JHB 31 October 2015

PARC AGM AWARDS / PARK AJV TOEKENNINGS: 31 October/Oktober 2015

The following PARC Club Members received awards at the 2015 Annual General Meeting:









Johan ZS6JHB

Pierre ZS6PJH

Fritz ZS6SF

Almero ZS6LDP









Vincent ZS6BTY

Craig ZS6RH

Willie ZR6WGR

Mark ZS6USA





Mark ZS6USA, Pierre ZS6PJH, Jaco ZR6CMG, Theo ZS6TVB

Annatjie, Joey and Irene







The PARC Rally Team

Vincent ZS6BTY, Etienne ZS6EFN, Louis ZS6SK

PARK VLOOIMARK / PARC FLEAMARKET: 31 October/Oktober 2015

PARC Fleamarket dates for 2016 are on page 6 and Weekly on PARC Bulletins



The PARC Strategy for 2016: By Etienne Naude ZS6EFN

This article, compiled by Etienne Naude ZS6EFN, follows strategic discussions by the 2015 Committee to discuss the future direction PARC needs to take to ensure that growth in the Club and most important, Ham Radio is sustained.

The PARC strategy has been developed using a 4 phase approach:

Phase 1:

A stagey must have a solid foundation in order to ensure one can develop a solid plan of action. This means that the foundation must be able to sustain the strategic objectives and associated tactical deliverables. The foundation of the PACR strategy consists of:

- a) Purpose, as a club we have to reinvent ourselves and therefore the purpose of the club, what is the purpose f the club, what is our role within the community and the amateur community we as a club will serve in years to come. We redefined our club's purpose as to further the exchange of information and cooperation between club members, to promote radio knowledge and individual operating efficiency, to conduct club programs and activities so to advance the interests of Amateur Radio in the community and to perform organized public service during community events and emergencies and disasters.
- b) Secondly we had to define our vision. The vision of the club defines where we want to go within the next couple of years, what it is we want to achieve. The club's vision is The vision of the Pretoria Amateur Radio Club is to be responsible for the preservation and promulgation of amateur radio as a hobby, as a science, a sport and a public service within the amateur and greater public community.
- c) The third element to PARC's strategy foundation is the mission, the mission defines the means of achieving the vision, what we need to do in order to achieve our vision. The mission of the Club is to provide a mutually supportive and positive environment in which every individual member and interested parties at large has the opportunity to participate in the development of amateur radio through collaboration, participation and direct involvement.
- d) The last element of our foundation is to understand what we stand for what is the principles of the club, it's committee and it's members., for this we developed a value statement. The Pretoria Amateur Radio Club's core values are:
 - Integrity
 - · Dedication to excellence
 - · Service to the members and community
 - · Respect for the individual and fellow radio amateurs
 - · Maintain a high level of passion for the hobby, club history and wellbeing
 - · Adhering at all times to the Amateur's Code.

These are values worthy of a great club, and we believe we should incorporate them as anchor points in every decision we make. Our core values provide us with a means of not only guiding but also evaluating our operations, our planning, and our vision for the future of this great club.

Phase 2:

Phase 2: consist of a SWOT analyses, before we could identify any of the strategic objectives we had to perform a proper SWOT analyses of the club and its environment. The SWOT analyses looked at the Clubs Strong Points, the Opportunities for the club, the club's Weak points, but also the treats. Having defined all of these elements we had a better understanding of the environment in which the club has to operate, but we also had a better understanding of our own capabilities, our strengths and our weaknesses we need to focus on in order to become a better organization.

Phase 3:

This Phase was all about setting ourselves objectives. Having a good foundation and a better understanding of our own capabilities and the environment in which we need to function now allowed us to put together strategic objectives, These objectives had to align with our view and strategy of achieving our vision using our mission statement as the guideline of achieving it all. The following objectives were defined:

- To promote interest in Amateur Radio and grow the participation, collaboration and involvement of its members and community at large.
- To further the cooperation between the club and other local community organizations.
- · Create awareness of the club initiatives, through more active public relationship programs both internal and external through various media channels.
- · To provide emergency or public service communications when normal means of communications are disrupted.
- To otherwise conduct programs and activities so as to increase the general interest and welfare of Amateur Radio within the club and the bigger community through collective initiatives and projects.

Phase 4:

We have a solid foundation for our strategic plan, we have a good understanding of our own capabilities and shortcomings as well as knowing the environment in which the club will operate in, we also establish a set of strategic objectives which we know by achieving those objectives one by one will contribute towards achieving our over vision and after all the strategic intent of our PARC strategy.

But having all of this but no plan of action is like going to war with all the knowhow but without a battle plan. Our battle plan is all about execution. The plan of action addresses all the components we need to address through initiatives, tasks and projects. All of which should be aligned with our strategic objectives and should support achieving the strategic objective. Therefore, each objective defined in Phase 3 will have a certain amount of tasks initiatives and projects in place to achieve those objectives.

These tasks initiatives and projects will all be measurable, achievable, must have a set delivery period and should be reported on regularly.

The management of these task, initiatives and projects will all be done on a project management principle basis with a Project office running the program overall. Each portfolio owner will act as project manager, which will form his own project team of other committee members and club members interested in being part of this new and exciting approach.

Enough of the strategy, lets EXECUTE!!!!

RALLY EVENTS 2016: PRELIMINARY DATES



For more information please contact Johan de Bruyn ZS6JHB

PARC FLEAMARKETS 2016



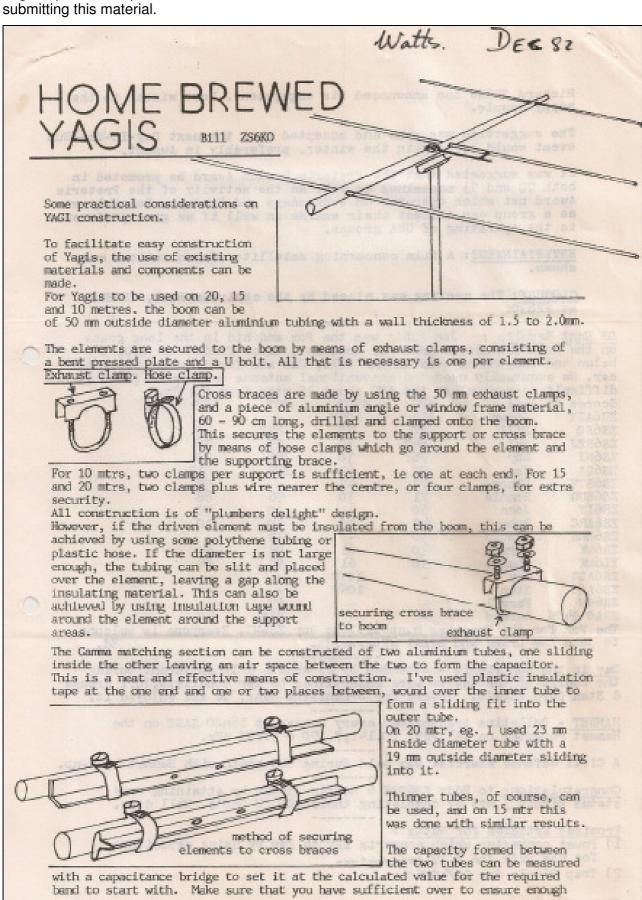
PARC Fleamarkets for 2016 are scheduled for the following dates:

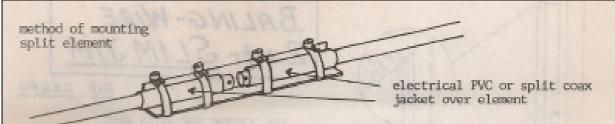
5 March; 28 May; 27 August; 5 November

Please do contact Almero du Pisani ZS6LDP (almero.dupisani@up.ac.za 083-938-8955) for more information or to book a table, or if you wish to donate any old equipment to PARC

Home Brewed Antennas Bill ZS6KO (SK)

Here are some old articles submitted by Bill ZS6KO in Watts 1982. If you wish to obtain the original pdf scans, please do contact the Editor of Watts. Sincere thanks to Vincent ZS6BTY for submitting this material.





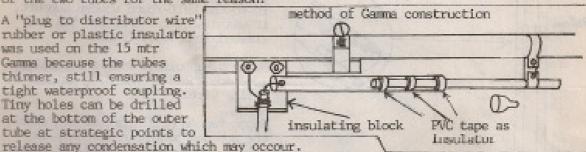
latitude for adjusting. Close the ends of the tubes to prevent water from entering and when the Garma has finally been adjusted, wrap insulation tape at the junction' of the two tubes for the same reason.

A "plug to distributor wire" rubber or plastic insulator was used on the 15 mtr Gamma because the tubes thinner, still ensuring a tight waterproof coupling. Tiny holes can be drilled at the bottom of the outer tube at strategic points to

support on top of

mle

size exhaust clamps



For mounting the antenna system to the vertical pole from the rotator, a bracket can be made of angle and flat iron.

Cut into sections and weld together so that a right-angle support is made, and clamped onto the vertical pole by means of U bolts.

The beam is clamped to the support also using U bolts.

In my case, I have to climb the tower, so the bracket is mounted in position before the antenna is raised. If there is more than one antenna (beam), to mount (stacked) the bracket must not be tightly screwed up until the beam is in position, and all booms lined up (aligned).

However, depending on individual cases, the bracket can be clamped onto the beam first, at the balance point, and then raised and clamped to the pole. It is easier however, to have the clamp in position and the beam resting on the

bracket while clamping it down.

The size of the bracket will depend on the beam size or it's mass.

The brackets for a 10 mtr 5 element and a 15 mtr 4 element arrays are smaller than for a 20 mtr two or three element array, the elements being

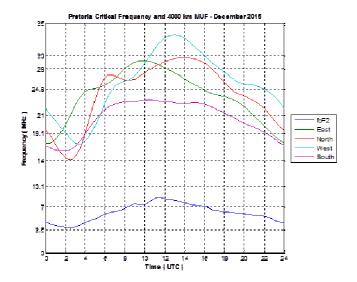
Because of the longer elements and the gamma of clamp boom on with suitable | the 20 mtr array, a sag on the one-side was experienced.

This was corrected by placing a piece of car tyre between the clamp and the boom, creating a tight friction fit.

In the case of a single Yagi on top of the pole, the support can be made of a section of tubing sawn lengthwise, down the centre, and welded onto the top of the pole into which the boom is placed, and held in position by means of exhaust clamps. A section of angle iron can be used

similarly.

Clamp construction for mounting boom on side of pole.



Long Term HF Propagation for December 2015

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.

See also the Propagation tab at http://www.parc.org.za/

Courtesy Vincent ZS6BTY



QRV Services offers the following expertise:

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- Precise frequency and power calibration
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- 3rd Party scrutiny of projects and documents
- MFJ 259/69 Analyzer repairs and calibration
- Ham radio and solid state amplifier repairs
- Valuation of ham estates and their disposal. Products:

Legal limit 30m and 40m dipole traps

- Linear power supply O.V. protection kits
- 30A DC switching supplies
- 30A DC Anderson Power Poles
- Connectors RF and Audio
- Plug-in triple sequential industrial timers

Contact Hans at 012-333-2612 or 072-204-3991

Recent photos taken showing the magnificent beauty of Aurora borealis

