

July 2025



Picture taken at the 2025 PEARS AGM

This Newsletter is published by the Port Elizabeth Amateur
Radio Society

Editing by Ashley Goosen ZS2AG

QsX-PE - Newsletter for the discerning Radio Ham

PEARS AGM will be on Saturday,
14th June 2025 at the German Club.

From the Chair



Dear Fellow Hams,

I hope this message finds you well, and that you are enjoying the hobby in this cold weather.

This past month we had our AGM on the 14th of June. I would like to thank everyone that attended, and congratulations to all the members who received awards. They are most deserved.

Looking ahead, remember that there are two events coming up, the National Day/Night Rally and the Transbaviaans. Please put up your hand to assist in these events with communication, as they are fun to participate in and also bring income for our club.

The next SARL Field Day is around the corner, on the 6th and 7th of September. The club will be arranging an outing, so please keep an eye out for the details, and come along and join in on the fun, while at the same time making many contacts on the air!

Don't forget that our next club meeting will be on Tuesday the 15th of July held at the German Club in Port Elizabeth. We'll be featuring a presentation on Meshcore by Tony Allen, ZR2TX followed by an open discussion. There are some new updates on the development of Meshcore and Tony will be sharing these with the members.

Please join in and listen to our weekly bulletins, every Monday evening at 20h00 on the Slipper repeater. The SARL News in Afrikaans and English is broadcasted every Sunday morning at 08h15 and 08h30 respectively on the Slipper Repeater.

As always, I welcome your feedback, ideas, and involvement. Let's keep the airwaves alive and the spirit of ham radio strong.

Till next month, 73's
Kevern ZR2BK

FROM THE EDITOR

Here's hoping you enjoy reading this edition of QSX. If you have an article or two that you would like published in future copies of QSX, please let me have your contribution by email to qsx.zs2ag@gmail.com.

Please do not send me QSX material on WhatsApp as I am inundated with WhatsApp messages and I will miss your material.

Thank you for your continued support of QSX and the articles you have submitted for this issue.

73,

Ashley ZS2AG

PEARS 2025 Annual General Meeting Minutes

14 June 2025 @ 15h00

QTH – German Club, Lorraine Street, Lorraine

Welcome

The Chairman ZR2BK welcomed all present. 39 persons seated.

Present and apologies

All present were asked to sign the attendance register.

Apologies tendered before the meeting:

ZR2CRS, ZS2BK, ZS2EZ, ZS2ST, ZS2AG, ZS2BL, ZS2D, ZS2E,
ZS2N, ZS2PDS

Apologies noted from the floor:

ZS2GS.

27 signatures, with 3 apologies noted in the attendance register.

Quorum confirmed.

Silent Keys

ZR2BK assisted in commemorating the following amateurs who had passed since the last AGM:

Barry Carr, ZS2BIC

Ted Smook, ZS2TED

Minutes of the AGM 1 June 2024

These were circulated to all members via email as part of the official AGM Notice, and in the May-June edition of QSX

Proposed: ZS2EC

Seconded: ZS2DL

Matters arising

None

Treasurer's report

The financial statement was made available to members prior to the meeting via link on the AGM notice email.

The treasurer ZS2MIC explained the income and expenses statement as circulated. Overall balances were explained to the meeting. A positive balance was achieved at the end of the financial year.

Subs increase is evident. We now can sustain expenses, in combination with the events income.

Expenditure slight increase 6% in electricity. No more ISP expenses. Licenses – another 3 x 5 Year licenses paid this year.

Balance is positive, with no withdrawals from the investment account needed.

ZR2TX queried the summary balances from last year, not shown on the presentation. Seems we are in a similar position as last year, overall.

Proposed: ZR2TX

Seconded: ZS2RT

Chairman's report

The chairman tabled the past year's report.

It is my pleasure to present this year's report to you, the members.

To the committee, I want to take a moment to sincerely thank each of you for your dedication, insight, and hard work over the past year. Your contributions have played a vital role in the running of the club and your commitment has not gone unnoticed.

Whether it was through thoughtful discussion, strategic planning, or the many hours spent behind the scenes, your efforts have truly made a difference. It has been a privilege to work alongside such a passionate and capable group.

I thought I would start off by sharing some statistics about our club's membership. In total we have 133 members, of which 21 are female. The average age in the club is 57 years. So, where do all these members live?

- 94 in Port Elizabeth
- 16 in Uitenhage and Despatch
- 12 in Kouga
- 11 in other areas of the country

This slide shows the spread of the membership across the Eastern Cape and surrounds.

This slide shows the different age groups our membership is made up of.

And our youngest member is 15 years old and the oldest member is 96 years old.

In line with the vision of the SARL, the club needs to promote Amateur radio to the younger generation. With that being said, the club has successfully presented RAE classes to the younger generation, and they have passed. The club can be proud of the RAE team headed up by Donovan ZS2DL, and with the support of Vaughan ZS2VR and Shaun ZS2SG, who have done a sterling job. The endless hours that they have given up of their own time to give classes, have paid off. As mentioned in the new edition of the QSX, Donovan has taken over the National RAE administration, and we wish him well in his new portfolio. In lieu of this, Vaughan, ZS2VR will now head up the RAE for the club, and Shaun, ZS2SG will be the chief HF Assessor. We wish them well with their new portfolios in the club.

Repeater Network – Repeaters require maintenance. There are some key role players that offered their time in order to assist with repeater maintenance. New batteries were installed at the Longmore site. Note that the Longmore site is solar powered as there is no AC mains.

After suffering loss at Slipper due to vandalism, the repeater was re-installed, both on VHF and UHF. At the same time, the container was replaced with a another that is in much better condition. Thank you to Donovan ZS2DL for donating this container, and to Glen, ZS2GV for the use of his crane truck to move the old and replace with the new.

The old batteries from Longmore, were installed at Slipper, after giving it some time to make sure we were not vandalized again. The DMR repeater has also been installed, together with All Star making it possible to link Slipper to other repeaters in the country.

To Neil, ZR2NT, a massive thank you for clearing all the bushes around the site, and for manufacturing a solid gate, that will be installed inside the container for extra security.

A co-user agreement was entered into between SAPS and the club for the use of their Kareedouw Berg site to re-instate our repeater. This agreement will be extended to all the other sites that we are co-users on. This comes at no charge to the club.

And of course to Chris, ZS2AAW for all the endless hours he puts

into the repeater sites and repair of equipment.

Now, why do we need repeaters, well they actually generate income for the club when we do communication for events. From the day/night rallies, the Addo 100 miler, the Ironman, the Trans Elands, the Transbaviaans, the LoFER, the Herald MTB and all the other events. Without these events the club would not be in a sound financial position. I would like to thank all the members, that offer up their time to volunteer in these events.

Through the year, we had two DF Hunts that were well supported. Also, for the PEARS VHF/UHF contest and the combined SARL Field Day and VHF/UHF Contest, members went up to Olifantskop Pass. The last Field day was most enjoyable and the team slept over on top of the mountain.

A plea, when these club events are advertised, please make the effort and join in. Without the members participating there is no point in putting all the effort in to make arrangements.

As you are aware, our usual monthly meeting venue has changed to the German Club. The unreliability of the Italian Club forced us to make the decision to move. A big thank you to Mike, ZS2MIC for arranging the German Club, at no cost to the club to host our meetings and AGM.

Our monthly meetings have had very poor attendance. At times it would only be the committee and 5 or 6 members in attendance. There needs to be more participation from club members. If you believe there is something that should change, please speak up. From attending the SARL AGM and speaking to other clubs, there are some new ideas that can be implemented to improve attendance and also get members involved in a practical way.

On a final note, the committee decided to submit a bid to bring the South African Radio League Annual General Meeting back to Port Elizabeth in 2026. It is with pleasure to announce that an official letter was received from the SARL on the 12th of June, that the SARL council decided to accept our bid and that PEARS will host the SARL AGM in 2026. We are extremely excited to host their AGM and Awards Dinner once again, the last time being back in 2007.

In closing, I would like to thank everyone today for making the effort and attending our Annual General Meeting.

I want to sincerely thank those members for their continued enthusiasm, support, and dedication to PEARS. Whether you've been sharing your knowledge, helping with events, or simply showing up and engaging with fellow members—it's your involvement that keeps amateur radio vibrant and strong.

This club is more than just a place to talk about frequencies and antennas—it's a space for connection, learning, and fellowship. Let's continue to inspire new hams, support one another in our technical pursuits, and always be ready to lend a hand—on the air or in person

.I thank you,

Kevern

Motions

No motions were submitted for discussion and voting at the AGM.

General

ZR2NT

thanks to the chairman and committee for the effort. The repeater has CW ID, rather faintly, what is this? ZR2BK will remove the CW ID, and the timeout timer, which is way too short. He will attend to this. Kevern also described the use of the All Star system. There are some nets each day on All Star, which we are connected to.

Constructors Corner Zoom meeting each Tuesday – have considered using the 700 repeater as the chat channel instead of Zoom, to foster more interest. There is one overseas member (Chad ZS2CJ), can he link from there? Yes, he can, either use a node, or use EchoLink.

ZS2MIC

Would a not very technical person be welcome to join on the Tuesdays?
YES< by all means, we are all there to learn

Awards

2025 PEARS AGM Awards

Appreciation Award: (Certificate)

Made in appreciation of services rendered to the benefit of the Society or its members, at the discretion of the committee. Can be presented at any appropriate occasion. The recipient need not be a member of PEARS.

Lt Col van Rooyen - Appreciation for the use of two SAPS sites

Clive Browne - For the use of his farm on Olifantskop Pass for contests.

ZR2TX - The co-ordination with event organizers to ensure events are well managed and run like clockwork.

ZS2AG - Endless hours put into the publication of QSX

ZS2GV - For the Selfless use of his truck and labour to move the Containers on Ladyslipper in December 2024.

ZS2PS - for the manufacture of new name tags for the SK board.

ZS2SG - For the refurbishment of the SK Board and for his continued support of the RAE Program.

ZS2U - Never missing a bulletin and contributions towards the bulletins.

ZS2VR - For his support of the RAE program.

Merit: (Certificate)

Made to persons who have made an exceptional contribution to the society. At the discretion of the committee, and presented at the AGM. The recipient must have been a PEARS member during that year.

ZS2EC – Theunis' support of contesting, his contesting accomplishments and his recent SARL recognition in this regard, is commendable.

Also the SARL award for support of contests and his accomplishments

Noel Hammond Award:

Made to the person that receives achieves the highest marks in the PEARS Annual RAE

ZS2NEM Nicole Mitchell

Ou Toppie Award: (Certificate)

This is to certify that Graham and Allan have not only reached the ripe old age of 80 years, but have managed to retain all their senses in spite of their close and lengthy association, both in person and over the air, with men and women of the Port Elizabeth Amateur Radio Society and other hams around the world.

PEARS salutes them on this fine achievement.

ZS2GIB Graham Butcher (13 April 1945)

ZS2BO Allan Bowles (22 April 1945)

ZS2OB DX Trophy: (Cup + Certificate)

Applications and nominations to be considered by the committee, and awarded to the person whom the committee considers most deserving.

ZR2GW - Gordon is a newly licenced ham, but is very active on HF DX and really deserve the recognition.

ZS2AB Constructor's Trophy: (Cup + Certificate)

Applications and nominations to be considered by the committee. In deciding, the committee shall take recognition of the number of construction projects undertaken, their complexity and the quality and appearance of the finished product/s. The recipient must be able to display the items at the AGM where the award is made, or as soon as possible thereafter. The recipient must have been a PEARS member during that year.

ZS2DL - In recognition of the construction of 2m and 6m mega size antenna's

PEARS Merit Cup: (Cup + Certificate)

A floating trophy initiated in 2001, to replace the certificates.

ZR2NT - Neil has really done a lot this year. His help with Slipper Maintenance, his drive to promote construction with the PIC development course he offers, deserves recognition.

W. Watson VHF Trophy (one for both 2m and 6m): (Cup + Certificate)

Awarded by the committee for commendable achievements on VHF. The recipient must have been a PEARS member during that year.

ZS2VHF Team (ZS2CS Clinton, ZS2G Andrew, ZS2SG Shaun, ZR2BK Kevern, RAE candidate Robert and ZS2PS Paul) - for their participation as a team during SARL Contest from Olifantskop

DF Hunt Trophy: (Cup + Certificate)

To be decided by the committee and awarded to the person who performed most successfully during DF hunts that took place during the year. The recipient must have been a PEARS member during that year.

ZS2AFB & ZS2SG – Jointly awarded to the winners of the two DF hunts held this past year.

ZS2JIM QSX Contributor Trophy: (Cup + Certificate)

Awarded to the person that provided the most contributions in terms of articles for the monthly newsletter QSX. At the discretion of the editor and com-

mittee. Recipient does not have to be a PEARS Member

ZR2BK – for his many articles submitted to the editor

Ham Spirit Trophy: (Cup + Certificate - Cup donated my Marge, ZS2OB)

The award to be decided by the committee in confidence. The award to be made in recognition of those qualities which make a good all-round Ham, viz willingness to help, activity on the air, friendliness, courtesy to his/her fellows and participation in the activities of the Society.

ZS2G - Andrew has shown tremendous Spirit by always volunteering for talks at meetings when the club was sadly in need of a presentation. Also participating in HF Field Days.

Honorary Lifetime Membership of PEARS

Awarded to ZS2DL for the many hours spent on the Radio Amateur Fraternity in RSA

SARL SOTA Award

For climbing the highest peak in KZN – Mt Mafadi, ZS/KN-001

ZS2AV Amanda LaMude

HRO/PEARS Ham of the year: (Cup + Certificate)

Awarded to a deserving member for their contribution to the hobby in general

ZS2DL - Induction into the SARL Hall of Fame

Election of Chairman

The Chairman then thanked the outgoing committee for their dedication. He mentioned that two members of the committee (ZS2DL and ZS2PS) have stood down for the coming year, the rest were available for re-election.

Kevern stood down as chairman, and since Donovan was not available for re-election to committee, he could preside over the election process for a new chairman. Donovan thanked Kevern for the great job done over the past year, well done and thank you.

ZR2BK nominated by ZS2EC Seconded by ZR2TX

No further nominations were received, ZR2BK assumed chairmanship from ZS2DL, who stood down.

Election of Committee

The outgoing committee except ZS2PS and ZS2DL, confirmed their availability and were nominated to stand again as per original portfolios.

Thus 2 nominations were sought.

ZS2PTY nominated by ZS2DH, seconded by ZS2DL

ZS2AFB nominated by ZR2BK, seconded by ZS2DH

Portfolio	Name	Callsign
Chairman	Kevern Burger	ZR2BK
Vice Chairman	Dave Higgs	ZS2DH
Treasurer	Michael Steenkamp	ZS2MIC
Secretary	Chris Scarr	ZS2AAW
RAE administrator	Vaughan Rizzo	ZS2VR
Technical, repeaters, SAR	Glen Cummings	ZS2GV
QSX Editor	Ashley Goosen	ZS2AG
PR, Special Events	Patsy Kruger	ZS2PTY
Fox Hunts, Field Days	Andrew Bouwer	ZS2AFB

Closing

The chairman thanked the attendees and called the meeting closed at 15h58.

SIGNED:

Chairman: **Kevern Burger ZR2BK**

Secretary: **Christopher Scarr ZS2AAW**

PWM vs MPPT Solar Chargers

By Mike ZS2AQ

In this article I hope to demystify the difference between PWM (Pulse Width Modulated) and MPPT (Maximum Power Point Tracking) solar charge controllers.

Typically a solar charger (or good quality mains charger) will have several modes, usually 3, for charging.

Bulk mode; the battery is charged at the maximum current available.

Absorption mode; charging current drops to about 1/10th at the absorption voltage, often 14.4V depending on battery specification (also called equalisation voltage or recombination voltage,) a top up charge rate which reduces as battery voltage rises to equalisation level, and a float charge voltage.

Float mode; where the battery charge voltage is less than the saturation voltage.

Care must also be taken when using either PWM or MPPT controller with a high panel voltage to ensure the max voltage rating of the device can handle the maximum open circuit voltage V_{oc} from panel, which will lead to controller damage.

Let us consider how these charge controllers work.

PWM: the PWM type may be considered as a simple voltage regulator which uses a **slightly** higher panel voltage and limits this to the battery voltage. PWM controllers will charge at the maximum current provided by the panel only. The PWM device is basically a switch mode voltage regulator.

MPPT: an MPPT controller may be considered a smart voltage to voltage converter and uses a panel voltage which may be **significantly** higher than the battery voltage. It tracks the maximum **Power Point** of the voltage and current produced by the panel and charges the battery at the maximum power available from the panel(s). Additionally this controller also adjusts charge rates and voltage in a similar way to the aforementioned PWM modes.

MPPT controllers make use of the power equation $P=V \times A$.

Consider the following scenario; a hypothetical 100W 18Vmp (panel max power voltage) solar panel has a current output of $100W / 18V = 5.0A$ (Current at max power).

Assume we are charging a battery and the voltage at 13Vbat.

A PWM controller will charge at a maximum rate equal to the panel max power current of 5.0A. The power transferred to the battery is therefore $5.0 \times 13 = 72W$

On the MPPT side the controller uses the maximum power available from the panel. In this example $5.0A \times 18V = 90W$ to the battery. At 13Vbat the charger will provide a charge of 6.9A. Nearly 2A more than the PWM device. Getting the idea?

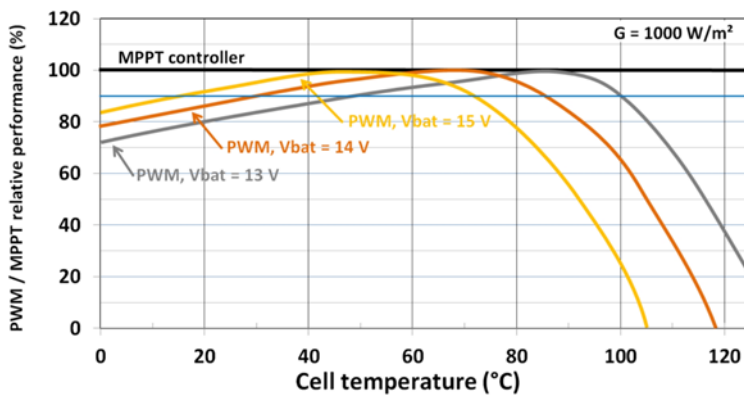
Now let us consider a 300W panel where Vmp is 36V and Amp is 8.3A. Also note open circuit panel voltage of 43Voc.

A PWM controller will provide a maximum charge current to charge a battery at 13V the same as the panel current rating of around 8.3A

A MPPT controller however makes use of the 300W power available. Hence the expected charge to a 13V battery becomes $300 \div 13 = 23\text{A}$. Quite a considerable difference.

(Note: in the above examples all values including results obtained are approximate only.)

Diagram below: Relative performance of the two controllers compared. The diagram also plots performance compared to panel temperature.



(Diagram courtesy Victron Energy)

Pros and Cons of each type.

PWM Pros.

Lower cost. PWM controllers, being simpler to MPPT devices, contain fewer components and are notably cheaper than MPPT controllers.

More suitable to smaller installations.

In basic applications they are more efficient at higher panel temperatures (panel efficiency hence current availability

decreases as panel temperature rises.)

PWM Cons

Only suitable in applications where panel voltage V_{mp} is close to battery voltage.

PWM offers no benefit when the panel voltage is significantly higher than V_b at

Voltage from the panel must be close to battery voltage.

Panel and battery voltage must match.

MPPT Pros

More efficient under most conditions.

Suited to larger and professional applications

Tracks the maximum power available and converts this to charge battery.

Performs better (than PWM) in cloudy or partial shade conditions.)

Works best with panel voltages much higher than battery voltage.

MPPT Cons

Price much higher than PWM. Typically a PWM controller costs 3× or more than a PWM controller.

Less efficient when panel temperature is high.

RF Interference

Both types of solar panel charge controllers generate RF noise, a lot of RF noise. RF Interference from these and other switch

mode devices including mains battery chargers and inverters has impacted our hobby. Especially hams living in cities and towns often struggle working HF from this QRM.

Unfortunately there is little control over the equipment being imported; much imported equipment for the SA market lacks the noise suppression components needed to filter out this noise. Interestingly enough the same product may be sold on the European Market with these components in place...

All is not lost however. Solar charge controllers are available in SA which are RF quiet. These devices do however come at a premium price. I suggest looking at the Victron range simply because this is a range I know is RF quiet. There are a few other brands on the SA market, but lacking detailed knowledge of these I cannot make an informed recommendation.

I hope this article may help anyone who is unsure about the differences and the benefits of each type, and assist them to make an informed decision when deciding on which type to purchase.

Further Reading.

Which-solar-charge-controller-PWM-or-MPPT.pdf may be downloaded

<https://www.victronenergy.com/support-and-downloads/technical-information>

As well as other technical papers.

Until next time, 73

Mike ZS2AQ

SARL WEBSITE UPDATE

(Re-posted from the SARL News Bulletin)

Thank you to the members who have signed onto the portal! Passing 500 is a milestone, but not the finish line. But we are slowly getting there. Please encourage members and non-members to sign on to the portal.

The website was given a boost this week with a new NEWS menu. Under the News menu item on <https://mysarl.org.za/> you can submit news items through the News Inbox, link to old news bulletins and download the Radio ZS. The new Recent News Posts will take you to recent posts where you can catch up with what is happening in the world of amateur radio in South Africa. At the time of writing this news item, the recent posts include contest information, Pico balloon, SO-TA and club news. Go to <https://mysarl.org.za/> and click on the NEWS item on the menu.

Your club can also submit articles – send the contact details for your club's secretary/scribe/editor to webmaster@sarl.org.za and we will create an account for you. Several clubs have already taken up the opportunity.

We know you all loved the old site, but like a good wine or a summer vacation, that too has passed. The familiarity of the old site, along with bookmarked links, is gone. We are trying to put all the information you need at your fingertips. If there is something you cannot find – please ask the webmaster. If there is something you feel is not in the correct place – tell the webmaster. Without feedback, we can only assume everything is perfect and everyone is happy.

Please join the new normal – sign up on the portal, use the forum and submit news items. It is your hobby too!

Submitted by Kevern ZR2BK

Pics from the AGM

Submitted by Kevern ZR2BK





Building a Lightweight EFHW Antenna – Club Workshop Recap

By Vaughan Rizzo, ZS2VR

On Saturday, 28th June, Donovan (ZS2DL), Patsy (ZS2PTY), Shaun (ZS2SG), Neil (ZR2NT), Nicole (ZS2NEM), Francois (ZR2NM), Robbie and I gathered at Shaun's house for a group antenna build. We had originally planned to meet at the German Club, but due to a last-minute scheduling issue — which I discovered while en route to Cape Town airport on Friday afternoon — we had to find an alternative. Shaun very kindly offered up his braai area as a backup venue, which turned out to be a perfect fit.

With tools provided by Donovan, Shaun, and myself, everyone got stuck into assembling a small, portable EFHW antenna. Fortunately, Shaun has a long driveway alongside his house, which made measuring and laying out the antenna wire a breeze.

The design was a multiband End-Fed Half-Wave antenna — light enough to toss in a rucksack for portable ops or SOTA outings. We used a straightforward design centred around a 49:1 impedance transformer wound on a toroid, all mounted in a compact 3D-printed enclosure.

It was great to see a solid turnout, with plenty of banter and good humour around the table. Some attendees had built antennas before, while for others, this was their first time putting something together that could radiate on HF.

By early afternoon, most had completed their builds. We set up a 12-metre Spiderbeam pole on the verge in front of the house and hoisted Nicole's antenna for testing. With a bit of tweaking to the wire length, we achieved a good match on 40 metres, and acceptable resonance on 20, 15, and 10 metres. A contact was made into ZS1 on just 1 watt, and we even heard US stations coming through on 20 metres.

Workshops like this remind us why amateur radio is such a rewarding hobby. It's not just about making QSOs — it's about learning, experimenting, and sharing the experience with others who love radio as much as you do.

If you missed this one, don't worry — I'd like to run something similar again. And if you've got ideas for the next build session, let's hear them!

Pictures next page.



DISCLAIMER

Please note:

The Editor, nor any PEARS club member shall be held liable for errors and/or omissions in any article and/or drawing contained in this newsletter. Furthermore, any view expressed is not necessarily that of the Editor, any committee member or other members of the Club. The material contained in this newsletter is not meant to defame, purge, humiliate and/or hurt someone's person or feelings.

If copy is unintentionally infringed, we apologise. The newsletter is published as a free service to Amateur Radio Operators and friends.

Birthdays and Anniversaries

Birthdays

July 2025

16 Anton Brits ZS2ST

25 David Higgs ZS2DH

August 2025

06 Gavin Oosthuizen ZS2GAV

15 Steven du Toit ZS2SDT

15 Serge Smetryns ZS2SJE

15 Mark Bernard ZS2MB

15 Chris Knowles ZS2CK

16 Al Akers ZS2U

Spouse Birthdays

July 2025

27 Helle Bernard Mark ZS2MB

August 2025

04 Brenda Whitehead Allan ZS2R

18 Maggie Moore Ian ZS2IJ

Anniversaries

July 2025

18 Louisa Rautenbach Marius ZS2JR

24 Beverley Higgs David ZS2DH

August 2025

01 Pat Ginny Pullinger ZS2PJP ZS2GIN

PEARS MEMBERSHIP

YOU can become a member of PEARs - you do not have to be a radio amateur, nor do you have to be in the PE Area. We would like to have you as a member, and to include you in the QSX mailing list. Send us your details or [download a PEARs Membership Application form](#), fill it in and email it back to us on [committee\[at\]peham.co.za](mailto:committee[at]peham.co.za)

The society membership subscriptions are renewable at the beginning of April each year. The rates are:

Standard : R300.00

Pensioner : R150.00

Spouse of a member : R50.00

Student/scholar : R80.00

(rates updated after the 2024 AGM)

its into the club bank account can be made but members must use their callsign or name as a reference for identification purposes on the bank statement.

Club bank details:

**NEDBANK SAVINGS ACCOUNT NO. 2212527594
BRANCH CODE 198765 (NEDBANK SOUTH AFRICA)**

Sunday SARL and Monday Evening PEARS Bulletins

PEARS provides a local reading of the SARL bulletin every Sunday morning at 8:15 in Afrikaans read by Kevern ZR2BK and at 8:30 in English read by Rory ZS2BL, transmitted through the Lady's Slipper Repeater on 145.700MHz.

PEARS Bulletins are transmitted on Monday evenings at 20H00 through the Lady's Slipper repeater 145.700MHz 88.5Hz Narrow, which is coupled to the Longmore Repeater 145.625 MHz 88.5Hz Narrow.

Bulletin Roster

07th Jul	Mike	ZS2MIC
14th Jul	Ashley	ZS2AG
21st Jul	Vaughan	ZS2VR
28th July	Patsy	ZS2PTY
04th Aug	Andrew	ZS2AFB
11th Aug	Rory	ZS2BL
18th Aug	Kevern	ZR2BK
25th Aug	Dave	ZS2DH
01st Sep	Chris	ZS2AAW
08th Sep	Mike	ZS2MIC

<http://www.zs2pe.co.za/bulletins.html>

HAM RADIO OUTLET-SOUTH AFRICA cc

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Our 2025/2026 PEARS Committee

PORTFOLIO	NAME	CALLSIGN	EMAIL	CONTACT No
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Treasurer	Michael Steenkamp	ZS2MIC	zs2mic[at]igen.co.za	082 523 5677
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Technical/repeaters, Search and Rescue & Emergency comms	Glen Cummings	ZS2GV	glenvanessa[at]gmail.com	082 411 2743
QSX Editor	Ashley Goosen	ZS2AG	qsx.zs2ag[at]gmail.com	082 372 6696
Public relations, special events	Patsy Kruger	ZS2PTY	patsykruger68[at]icloud.com	082 513 9493
Fox hunts, Field Days	Andrew Bouwer	ZS2AFB	andrew[at]bouwer.cc	072 546 7836

CO-OPTED POSTS

PORTFOLIO	NAME	CALLSIGN	EMAIL	CONTACT No
Contest Liaison Officer	Theunis Potgieter	ZS2EC	zs2ec01[at]gmail.com	064 901 8079
Events & Rally organising	Tony Allen	ZR2TX	tony.zr2tx[at]gmail.com	082 956 2920
RAE Training	Shaun Gilbert	ZS2SG	gaswise3[at]gmail.com	083 672 5241

(Please note: The "@" sign has been replaced with "[at]" in the above addresses to try to prevent spamming)

PEARS' VHF/UHF, Packet & Other Services

Local Repeaters: These repeaters form a separate sub-net in the PE - Uitenhage - Despatch area.

Town VHF 145.050/650 88.5Hz, Narrow 12.5k	Longmore 145.025/625 88.5Hz, Narrow 12.5k	Uitenhage 145.075/675 Wide 25k	Town UHF 431.050/438.650 Wide 25k	<----- IRLP available on this subnet
Cockscomb 431.000/438,600 Add 88.5Hz for squ tail	Viewlands 431.075/438.675 Add 88.5Hz for squ tail	<----- These form linking hubs for events, hence no tail	DMR 430.675/438.275 QTH: ZS2VA	D-Star 145.175/775 QTH: ZS2N

Cape Linked System Repeaters:

These form the PEARS long-range 2-metre repeater system, in conjunction with the Border, Southern Cape and WCRWG systems. See www.zs2pe.co.za/Repeaters/repeaters.htm for more details.

Lady's Slipper 145,100/700 88.5Hz, Narrow 12.5k	Grahamstown 145,150/750 Wide 25k	Cradock 145,050/650 Wide 25k	Noupoort (link only) 438,750 / 438,675 Wide 25k
Colesberg 431,075/438,675 Wide 25k	Kareedouw 145,125/725	Plett 145,175/775	Brenton 145,075/675

APRS/Packet network:

ZS0NTP Node Lady's Slipper 434,800 1200bd 439.850 9600 bd	ZS0KDK APRS Digi Mount Road 434,800 1200bd	ZS0KDB APRS Digi Longmore 434,800 1200bd
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VHF Beacon: 50,007 MHz FSK – ZS2X, 25 Watts into 2 element Yagi beaming north.

Banking details (for subs & donations): NEDBANK SAVINGS ACCOUNT No. 221 252 7594, Bank code 121217, A/C name: Port Elizabeth Amateur Radio Society. **Please use call signs as a reference.**