

March-April 2025



See story on Page 11

This Newsletter is published by the Port Elizabeth Amateur
Radio Society

Editing by Ashley Goosen ZS2AG

QST-PE - Newsletter for the discerning Radio Ham

Next PEARS Monthly Meeting will be on Tuesday,
15th April 2025 at the German Club.

From the Chair



Dear Members,

Thank you for reading another edition of QSX. QSX is now published every second month and thank you to Ashley for all the hard work that goes into producing QSX. Please support QSX and submit articles, we would like to know what you have been up to!

The annual subs are due for membership, and you would have received a mail informing you of the amount payable. We kindly ask that these subs are paid, as they are due now by the end of April. Another reminder that ICASA license fees are also due, and payable by the end of April. ICASA has noted that there are issues with their portal, however the best time to renew your license is early in the morning or evening.

The PEARS AGM will take place in June at the German Club in Port Elizabeth. Please keep a look out for an email that will be sent for the notice of the AGM. Note that you need to be a fully paid up member in order to vote at the AGM.

We need you as members to nominate yourself, or others for awards at the AGM. On the front page of the club's website, is a link to nominate someone for an award. The awards that are up for grabs can be found at the following link : <https://zs2pe.co.za/Awards/Awards%20at%20AGM.htm>

The past two months have been rather busy. Repeater work was

carried out at Longmore and Slipper, the SARL National Field Day and SARL VHF/UHF Contest was operated from the top of Olifantskop pass, a triggered Emergency Position Indicating Radio Beacon was hunted by members, communication was provided by the club for the Addo 100 miler and of course there was the foxhunt. There are some articles on these in this edition of QSX.

The SARL AGM also takes place in Pretoria on the weekend of the 17th of May. Two members have been notified that they will be receiving awards. Donovan, ZS2DL will be inducted into the League's Hall of Fame. Theunis, ZS2EC will be receiving the Koos and Annie Van der Merwe Gold Award. Congratulations to you both and for making PEARS proud!

The next meeting is on Tuesday, the 15th of April at 19h30, followed by the May meeting on the 20th of May. Note that the meetings are the German Club, please support the meetings as there are presenters after the meeting on interesting topics.

Finally, a reminder that the 18th of April is World Amateur Radio Day! There will be some unique callsign stations on the air in South Africa to celebrate. Please see the SARL News for all the details.

As we head into Easter, if you are going away, safe travels and enjoy the time with the family. If not, enjoy the break from work, and take it easy.

73,
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

Minutes of PEARS Monthly Meeting

Held at the German Club on the 18th February 2025 at 19h30

Welcome:

Chairman Kevern ZR2BK welcomed all present.

Attendance:

Approximately 17 attendees. As per Register.

Apologies:

ZS2DH, ZS2DK, ZS2TAH, ZS2TJ, ZS2PA

Acceptance of previous meeting's minutes:

Proposed: ZS2AG

Seconded: ZS2BO

Matters arising:

None

Finances:

Mike has reported that all is in order.

Slight decrease in savings for paying Italian Club for Jan-Feb. German club will not charge us for having meetings here. We must support the club as much as possible. Next meeting will be a supper evening, menu to be circulated. Wives and family welcome. Still be a meeting as per normal too. Hope to increase the member numbers.

General:

Events

Comms for Herald MTB done and dusted, all went well. Should be an EFT for claims from Herald.

Addo Trail Run coming up 21-23rd March. Zuurberg area. Details still to be advised after a meeting with Sian. One extra checkpoint on the Karoo side – stages were too long.

30th March is Ironman. Not as big a thing for us as it used to be, they use their own comms successfully nowadays, we will

man some checkpoints and the night time beachfront run. This one is a big deployment – please volunteer!

Request for an understudy by Tony – before the AGM. He needs to mentor someone new to take over in the long run. Get to know the people and crews involved. There will come a point that we may not be used in future, because technology might catch up. We as a club have experience in handling situations, so Addo Trail Run and TransBaviaans will probably continue, because we staff checkpoints now too.

May – AGM month, and a technical constructor's workshop held by ZS2VR. Portable end-fed antenna kits will be on offer

Licenses

ICASA increasing fees by 4.4%. Due by 1 April 2025. System not open for renewals yet.

RAE Classes

4 local candidates, and 3 remote students doing self study, but will write the exam in PE. Starting next Wednesday 24th

Jamtin

Stuff has been removed, Paul going there Thursday to clear out the last bits. Do we want the big map? ZS2MIC will take it if its not wanted. SK memorial board is being refurbished by Shaun ZS2SG, and then will be mounted at HRO.

Contests

SARL Field day and FM VHF/UHF contest 8-9 March combined on same day. Plan to activate Oilfantskop. All welcome, please contact ZR2BK or ZS2PS

2024 DX Marathon results – ZS2DL second in Africa, Paul ZS2PS came 6th. PEARS came first in Africa! Congrats!

Repeaters

Slipper: to investigate the issues up there, and sort out the site

after the container change.

Longmore: new batteries and UHF Link to be installed, and Mesh node to be upgraded.

QSX

Contributions are not happening, making the editor's life difficult. PLEASE let's consider this request seriously. As a result, we will revert to bi-monthly editions for now. Events are so easy – a few pics and a write-up is all that's needed. ZR2NT is running the zoom constructor's corner, and what else is happening out there?

ZS2GS

Fox hunt quarterly – have dates been set? Gert will be the fox if needed, if ZS2DL will lend him the transmitter. Rory would sponsor a prize for the whole year. Win points for each hunt and the overall winner for the year announced at the AGM. Schedule for April, possibly the 12th, with a braai afterwards at the GC.

PEARS VHF results for the contest – publish them in QSX too, please.

Closure:

Meeting ended at 20h10

Next meeting 18th March 2025, along with supper ☐

Speaker:

ZR2TX gave an update on the Meshtastic networks.

CHAIRMAN

SECRETARY

KEVERN BURGER (ZR2BK)
SCARR (ZS2AAW)

CHRISTOPHER

Minutes of PEARS Monthly Meeting

Held at the German Club on the 18th March 2025 at 19h30
(Supper was served at 19h50)

Welcome:

Chairman Kevern ZR2BK welcomed all present.

Attendance:

Approximately 42 attendees. As per Register.

Apologies:

ZR2CRS, ZS2DH, ZS2R

Acceptance of previous meeting's minutes:

QSX only published every second month, so two sets of minutes will be voted on at the next meeting

Matters arising:

None

Finances:

Mike has reported that all is in order.

General:

Events

Chairman gave feedback on the recent field day trip to Olifantskop, with camping overnight. Thanks to the farmer for accommodating us.

Addo Trail Run this weekend.

Ironman later, also sorted for volunteers.

MUT will be happening again this year. George area. 23-25th May.

Fox hunt on 12 April, starting here at the GC at 09h00, social in the pub afterwards.

AGM will be moved to 7th June due to GC availability. Notice will be sent out. Please return trophies to committee. Chris to set up the nomination forms online. Awards are listed on the web site, and on the google forms.

ICASA

No gazette on fees yet, so not open for renewals. Possibly delayed by the budget speech. SARL will notify us.

SARL AGM in Pretoria on the 17th. Only ZS2DH will attend, due to costs.

Repeaters

Work done this past weekend: Longmore new batteries installed. UHF Link reinstated, linked to Slipper at present. Old batteries moved to Slipper. 2AAW did the Slipper DC wiring for all equipment after the theft and vandalism. DMR Repeater also installed. Still antenna work to be done at both sites.

Kareedouw mountain coming along, to be finished up ASAP.

ZS2GS, ZS2AFB and ZS2G did a recovery of an EPIRB, Gert will give a talk at the next meeting.

QSX

Next issue will have lots of events reports, repeater report back, etc. Please send to QSX email address, in MSWord format, not pdf.

Silent keys board

ZS2SG redid the board, and subsequently remade all the nameplates. Is now complete and ready for return to HRO shop display.

Closure:

Meeting ended at 19h49

Next meeting 15th April 2025

Speaker:

A social evening was arranged with supper served by the German Club kitchen.

CHAIRMAN

KEVERN BURGER (ZR2BK)

SECRETARY

CHRISTOPHER SCARR (ZS2AAW)

REPEATER SITE VISITS

Work was done on the Longmore repeater and the Lady Slipper repeater sites in March by Chris, ZS2AAW and Kevern, ZR2BK.

The Longmore Repeater Site:

The existing batteries were removed and two new 150Ah tubular batteries were installed. This site runs off solar as there is no mains supply. The UHF link was re-installed and is currently connected to Lady Slipper. On the tower, there remains some work as the Bavians link UHF Yagi antenna needs to be repaired and the feeder tidied up.

The Lady Slipper Site:

The three 100Ah batteries that were removed from the Longmore site were installed at the Slipper Site. The site has been running off mains without battery backup. All the DC wiring was re-installed to the rack. The DMR repeater was re-installed in the repeater rack and is operational. Antennas were checked from the cabin, but another site visit is necessary to climb the tower.

Reminder of the frequencies:

Longmore VHF: 145.625MHz 88.5Hz tone

Slipper VHF: 145.700MHz 88.5Hz tone

Slipper UHF: 438.700MHz 88.5Hz tone for tail



PEARS PROVIDES COMMUNICATION FOR THE ADDO ELEPHANT 100 MILE TRAIL RUN



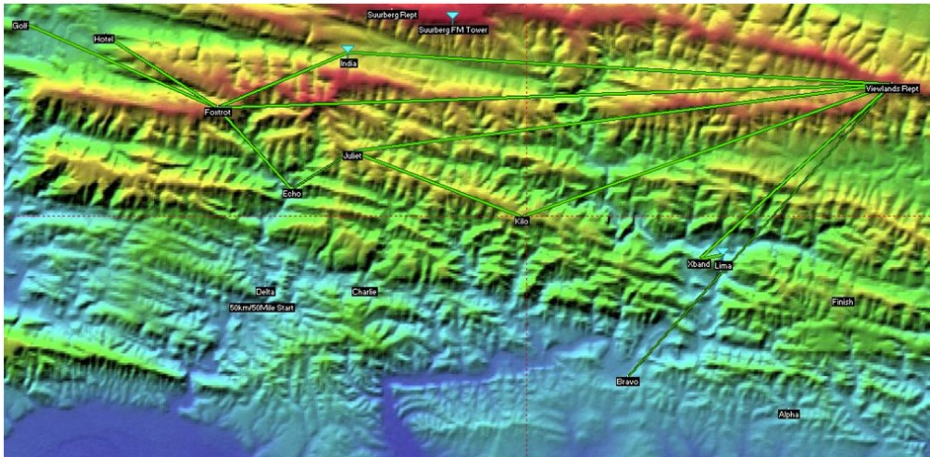
The Port Elizabeth Amateur Radio Society provided communication for the Addo Elephant Trail Run over the weekend of the 21st to the 23rd of March 2025. This was the 8th year the club provided communication for this event.

The trail run has different entry categories, but the communication was focused on the 100 miler and 50 miler runners. The event takes place in the greater Addo National Park, including the Zuurberg area. These areas of the park are not accessible for the public. The 100 miler runners started at 11:00 on the Friday and continue until the very early hours of the Sunday morning. Various mandatory checkpoints are on the route, and manned with radio communication. The terrain is very rough, steep climbs and extreme temperatures are experienced on the route.

A total of eight checkpoints were manned by the club, and then as well as the VOC. There is no sleep during this event. To give an idea, herewith the members that manned checkpoints:

Checkpoint Bravo/Lima – Colin, ZR2CRS and Kevin, ZS2KO
Checkpoint Echo – Mike, ZS2MDL and Bernice, ZS2BD
Checkpoint Foxtrot – Kevern, ZR2BK
Checkpoint Golf – Rudi, ZR2RG
Checkpoint Hotel – Andrew, ZS2AFB
Checkpoint India – Eric, ZS2ECH and Isolda, ZS2IW
Checkpoint Juliet – Glen, ZS2GV
Checkpoint Kilo – Serge, ZS2SJE
VOC – Tony, ZR2TX

The comms plan is always worked out weeks in advance for any event the club does. In the area the club has UHF repeater known as the Viewlands Repeater. However, due to the mountainous terrain, is not reachable at all the checkpoints. Three crossband repeaters were set up on the route. One at Juliet, for comms to Echo, another at Otto's pool for comms to Bravo/Lima and then one at Foxtrot, for comms to Golf, Hotel and India.



The communication plan

The event went well, with no serious incidents. However, a major thunderstorm came over on the Saturday afternoon. The temperature dropped from 40 degrees to 20 degrees, a strong gale came up and then torrential downpour of rain. Foxtrot advised all stations that it was coming, and members could make plans to secure their tents, gazebos and equipment.

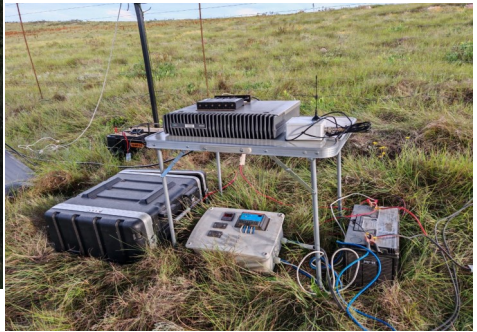
The next event that PEARS will be providing communication for will be the Ironman in Port Elizabeth on the 30th of March.



Checkpoint Echo



Checkpoint Foxtrot



Checkpoint Foxtrot



Checkpoint Juliet



Checkpoint Hotel



VOC—Tony ZR2TX

OLIFANTSKOP EXPEDITION MARCH 2025



From Left to right:

ZS2CS Clinton, ZS2G Andrew, ZS2SG Shaun, ZR2KB Kevern, RAE candidate Robert and ZS2PS Paul

The team left Saturday morning and met up at the Nanaga farmstall at 9 am. Kevern ZR2KB had to collect the key from the farmhouse and then it was time to drive to the top of the hill past the towers.

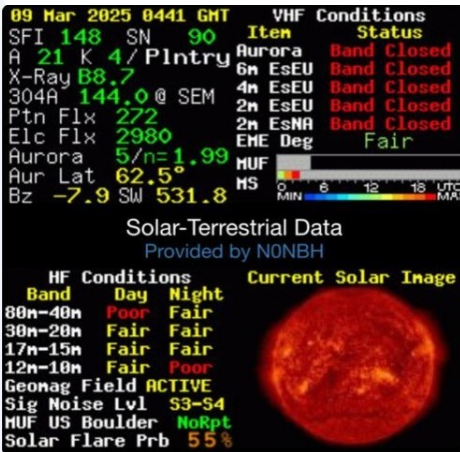
Eventually a spot was chosen about 700m west of the towers where there was a bit of shade to hide from the sun.

As there was 2 contests that weekend , the SARL field day and the VHF/UHF and soon we had a proper antenna farm going in next to no time. Dipole for 80 to 15m, vertical for 10 m. 5 Ele-

ment for 2m, 15 element for UHF and EFHW for 6m.

Propagation could have been better but towards the evening it improved a bit and a few DX contacts were made.

A fire was started about 5ish and Petra my XYL tanned everyone's meat. That evening we sat around the transceiver listening to the DX on 20m. About 9ish we called it a night and crept off to our various tents or cars to for a well deserved rest.



Next morning we were up early to a beautiful sunrise.

We did spend a few more hours trying to make as many contacts as possible before we had to pack up due the threat of thunder storms.

Now just about here ZS2CS managed to make his first ever DX contact to Germany. 10M and QRP! That is one of the old memory banks.

By 1pm we were all home.

Submitted for publication by Paul ZS2PS

HAM RADIO TECH: LINEAR LOADING—LONG WIRE IN A SHORT SPACE

For some amateur radio operators, putting up a full-length HF dipole is not always feasible. With today's postage-stamp-sized lots, some hams can only dream of installing a dipole for 80 meters—or even 40 meters.

The most common solution has been to add loading coils to reduce length. The [Alpha Delta DX-DD](#), for instance, offers 40/80m coverage in half the space of a typical dipole. Loading coils work, but it comes at the cost of reduced bandwidth and efficiency. There are other options.

A linear-loaded dipole might just fit your available space. Instead of using a full-length wire, a portion of the wire is folded back on itself to reduce length. Linear loading results in a significant reduction in size while maintaining good electrical performance compared to its coil-loaded equivalent.

Know When to Fold 'Em

According to the [ARRL Antenna Book](#), linear loading introduces minimal loss and has a low Q, which allows reasonable bandwidth compared to using loading coils. This method of shortening radiators can be applied to almost any antenna configuration to reduce its physical length while maintaining overall signal radiation. Folding the elements can significantly reduce the required length for resonant antennas. For example, you can make a resonant antenna that's 30 to 40% shorter than an ordinary dipole for a given band.

Performance depends on what section of the antenna is folded, by how much, and the spacing of the conductors. When experimenting with linear loading, add about 10% to the calculated conductor length as a precaution. Use the cut-and-trim method to tune while taking care to adjust both the spacing and length of the folded section to optimize the match. Feeding the antenna with a ladder line connected to a tuner is another option.

Linear loading is superior to using an inductive coil because the loading is distributed along the entire length of the element rather than being lumped. The result is significantly improved radiation efficiency and a greater bandwidth than the coil-loaded equivalent. A simple dipole can be linearly loaded to shorten its length, making it possible to operate on the lower bands despite the disadvantage of being located on a small city lot.

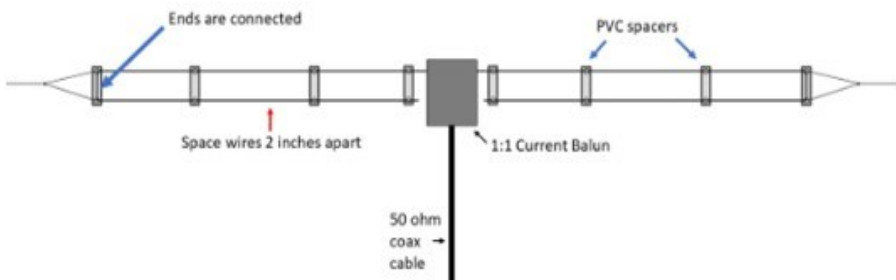
What Makes it Work?

Linear loading is a technique to make a shorter, yet resonant and efficient antenna on the frequency for which it's designed. To explain how the linear-loaded dipole antenna works, let's look at the theory of resonant circuits and apply it to an antenna.

A dipole antenna at resonance is a resonant circuit. It's the result of the combination of inductance (L) and capacitance (C). Think of a dipole antenna as a pair of coils that have been stretched out to form straight wires, one on each side of the feedpoint.

With linear-loaded dipoles, we simulate a large one-turn coil on each side of the feedpoint by folding each half of the dipole antenna back onto itself. The folded portion of wire interacts with the antenna wire above or below. Each side of the antenna becomes part of a resonant circuit, comprising inductance (due to the length of the wire) and capacitance (formed by the proximity of the folded-back wires). The resonant frequency of the dipole antenna is the result of the self-coupling of the two wires on each side of the antenna feedpoint.

Be aware that the linear-loaded dipole will be less efficient on bands other than its fundamental resonance frequency. In the example below, it is in the 40-meter band with a third harmonic in the 15-meter band. Of course, it can be coaxed into working on other bands with an antenna tuner. The tuner will make your transceiver think it's



properly matched to your antenna system.

The overall length of this easy-to-build M0PZT version is 40 feet for the 40m band. It will also cover the 15m band. The feedpoint impedance for this configuration is about 35 ohms. Important:

Keep the wires parallel. (Image/Mark, K8MSH)

Want to go vertical? Electrically, the antenna appears and behaves like a standard vertical $1/4 \lambda$ radiator but with a higher impedance at the feedpoint. On receive, it works almost as well as a full-size radiator over the same ground plane. Upon transmission, it appears to perform equally well, with the same signal reports being received when switching between a linearly loaded and a full $1/4 \lambda$ radiator. As with all vertical antennas, a good ground plane is required.

Can the linear-loading technique be applied to a multiband fan dipole? Yes, it can. However, other antennas near the 40-meter linear-loaded dipole will likely cause it to detune somewhat. You may need to adjust the lengths of the multiple elements, requiring some trial and error until they collectively work well with the others. Can you linear-load a G5RV? Yes—search online for details.

Construction Tips

Here are some tips to help you construct a suitable linear-loaded antenna for your individual application.

- You need to install an RF choke or clip-on ferrite chokes on the coaxial cable before it enters the shack to prevent common-mode problems. You can tell that you need additional chokes when your tuner struggles to stabilize during transmission.
- Linear loading is used to reduce the physical size of an antenna, particularly in applications where space is limited, such as in small gardens or for portable use.
- The final size is a compromise between the desired bands, available materials, and location. This is one of the best aspects of designing your antennas: You can tailor the design to fit the space and surroundings according to your specific circumstances.

A more efficient version would be to feed a linear-loaded dipole

antenna directly with 450-ohm ladder line or 300-ohm twin lead terminating in a weatherproof box. Run 50-ohm coax into the shack to your tuner—as short as possible. Ladder lines can also make excellent elements for linear-loaded antennas since they come with built-in spacers.

Linear-Loaded Dipole Approximate Dimensions

Band	Frequency	Length*
10M	28.5 MHz	11.5 ft. (3.5052 m)
12M	24.9 MHz	13.2 ft. (4.0234 m)
15M	21.1 MHz	15.5 ft. (4.7244 m)
17M	18.1 MHz	18.1 ft. (5.5168 m)
20M	14.1 MHz	23.2 ft. (7.0713 m)
30M	10.1 MHz	32.44 ft. (9.8877 m)
40M	7.1 MHz	46.14 ft. (14.0634 m)
80M	3.6 MHz	91.0 ft. (27.7368 m)

- *With a Bit Extra, Just in Case.*

The lengths given in the chart are based on calculations by Claude Jollet, VE2DPE, for the MOPZT dipole pictured earlier. The above are the full overall length of the top half of each side of the linear-loaded dipole. The dimensions include the width between the balun connections.

You may have heard that short ham antennas are not as efficient or effective as a full-length half-wave dipole, regardless of the configuration. Good news! Linear-load antennas are probably the next best thing, especially for those with restricted space.

Submitted for publication by Ashley ZS2AG

Birthdays and Anniversaries

Birthdays

February 2025

18 Robbie Styles Robbie
18 Peter Flynn ZS2PF
18 Carlin Mitchell ZS2NM
19 Gary Laaks ZS2GRL
25 Kevern Burger ZR2BK
26 Jacques van der Heide ZR2JH
28 Basie Du Plessis ZR2BA
29 Wolf Gerstle ZS2WG

March 2025

01 Rudi Goosens ZR2RG
08 Errol Kleinhans ZS2EK
21 Andrew Gray ZS2G
21 Gordon Willers ZR2GW
29 Allan Whitehead ZS2R

April 2025

03 Theunis Potgieter ZS2EC
05 Hugo Ras ZS2HR
12 Andre Potgieter ZS2ZA
13 Graham Butcher ZS2GIB

Spouse Birthdays

February 2025

25 Jacqui Saayman Matthew ZS2SA

March 2025

01 Wendy Gilbert Shawn ZS2SG
03 Daphne Galpin Paul ZS2PG 03

25 Petra Schoeman Paul ZS2PS

April 2025

01 Rosalie van Loggerenberg ZS2DN Do-
novan ZS2DL
03 Danè Steenkamp Michael ZS2MIC
05 Bernice De Lange ZS2BD Mike ZS2MDL
13 Lizette Oelofse Nico ZS4N

ANNIVERSARIES

February 2025

22 Matthew Jacqui Saayman ZS2SA
23 Colin Cheryl Schroder ZR2CRS

March 2025

03 Tim Teresa Joubert ZS2X
15 Arno Cheryl du Preez ZS2ABT
18 Andrew Roslyn Prideaux ZS2PA
22 Rudi Ellie Goosens ZR2RG
24 Dirk Natasha Swart ZS2JD
26 Gavin Janine Oosthuizen ZS2GAV
27 Gary Shaunna Laaks ZS2GRL
29 Shawn Wendy Gilbert ZS2SG

April 2025

03 Hugo Juan Ras ZS2HR
03 Carlin Shanelle Mitchell ZS2NM
04 Glen Vanessa Cummings ZS2GV
06 Michael Danè Steenkamp ZS2MIC
06 Wolf Cathy Gerstle ZS2WG
07 Anton Nellie Brits ZS2ST
08 Mitch Colette Rundle ZS2DK ZS2CR
11 Aldrin Annelize Baker ZS2AGB

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.

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

14th Apr	Kevern	ZR2BK
21st Apr	Dave	ZS2DH
28th Apr	Chris	ZS2AAW
05th May	Mike	ZS2MIC
12th May	Donovan	ZS2DL
19th May	Ashley	ZS2AG
26th May	Paul	ZS2PS
02nd Jun	Vaughan	ZS2VR
09th Jun	Rory	ZS2BL
16th Jun	Chairman	?????

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

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Our 2024/2025 PEARS Committee

These committee members can be reached as a group by sending email to [committee\[at\]peham.co.za](mailto:committee[at]peham.co.za)

PORTFOLIO	NAME	CALLSIGN	EMAIL	CONTACT No
Chairman, Technical support & maintenance	Kevern Burger	ZR2BK	k.burger[at]stfrancislinks.com	083 401 9587
Vice Chairman, SARL liaison, Hammies, Youth, Contest Scoring	Dave Higgs	ZS2DH	om[at]zs2dh.co.za	082 387 5657
Treasurer	Michael Steenkamp	ZS2MIC	zs2mic[at]igen.co.za	082 523 5677
Secretary, Repeaters, QSX emailing, club database	Christopher Scarr	ZS2AAW	christopher[at]peham.co.za	082 925 6367
RAE Training	Donovan van Loggerenberg	ZS2DL	zs2dl[at]hamradio.co.za	082 852 4885
Technical/repeaters, Search and Rescue & Emergency comms	Glen Cummings	ZS2GV	glenvanessa[at]gmail.com	082 411 2743
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Public relations, special events displays, Scouts interface, "Jamtin"	Paul Schoeman	ZS2PS	paul.costcutters[at]gmail.com	083 582 9660
RAE Training	Vaughan Rizzo	ZS2VR	vaughan[at]netaddress.co.za	082 882 6555

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
Website renewal and updates	Graham Pearson	ZS2GKP	gpearson[at]blsmedical.co.za	082 321 4798

(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	Longmore	Uitenhage	Town UHF	<---- IRLP available on this subnet
145.050/650 88.5Hz, Narrow 12.5k	145.025/625 88.5Hz, Narrow 12.5k	145.075/675 Wide 25k	431.050/438.650 Wide 25k	
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:

ZSONTP 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.**