



June 2022



This Newsletter is published by the Port Elizabeth Amateur
Radio Society

P.O. Box 10402, LINTON GRANGE, 6015

Editing by Ashley Goosen ZS2AG

**Qsx-PE - Newsletter for the discerning
Radio Ham**

PEARS Monthly Meeting

19:30h at the Italian Sporting Club, 17 Harold Road, Charlo

The next meeting at the Italian Club will be on the

19th July 2022



ZS2DL

FROM THE CHAIR

Well, Ashley seems to catch me unawares every month asking for a contribution to QSX. I will give him his due.

The man is enthusiastic about QSX and does a marvellous job of it.

It also forces me into action too. So what has happened since the last time I spoke to you on this

forum. Firstly the results of the RAE has been announced and we have 7 new licenced hams amongst us.

My congratulations to all who made it and we look forward to hearing you on the air and welcoming you at club meetings and events.

We have also taken to participating in the second half of the SARL VHF FM contest at the beginning of June and can report that we think it went well and would like to thank those who gave us the most valuable QSO's. Without you all our efforts would have been in vein.

We are at this point looking forward to our meeting on the 21st June and the viewing of the 3Y0X Peter I Dx-pedition video.

Please come along and share in the fun and comradery which

is our monthly club meetings. Then I guess its time to start looking for new candidates for Octobers RAE. If you have anyone you

know of that would like to get involved please ask them to email me zs2dl@hamradio.co.za

Please also NOTE. I really want our kids involved and I have said that kids get the course for free and the SARL offer discounted rates for the exam to Guys under 25. So please don't let money stop Kids getting exposed to science and this wonderful hobby we love.

Speak to me and let us make it happen.

Until next time....

PEARS, WE LIKE BEING YOUR CLUB

73,

Donovan, ZS2DL

Calling Back the Past



This picture submitted by Clive ZS2RT is of a club Christmas party for children taken sometime in the 1980s. He thinks that Father Christmas is actually Brian Weller ZS2AB. Cannot remember the names of the children.

Belgium: Military use of 50 MHz frequencies

IARU Region 1 reports on the planned use of two frequencies in the amateur radio 50 MHz band by the Belgian Military on June 18

The Belgian telecommunication authority BIPT informs that a military exercise will take place in Elzenborn near the German-Belgian border until June 18, 2022, during which two frequencies in the 6-metre band will be used: 50.200 MHz and 51.075 MHz.

Radio amateurs are therefore asked to keep these frequencies clear or observe them during this time before transmitting there.

The amateur radio service has a secondary status in this band, while military radio has a primary status.

Source IARU Region 1 <https://iaru-r1.org/>

FROM THE EDITOR

Hi Everyone, I wish you happy reading this copy of QSX and 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.

Thank you for the articles you have submitted for this issue.

73,

Ashley ZS2AG

PEARS 2022 ANNUAL GENERAL MEETING MINUTES

21 May 2022 @ 15h00

QTH – Walmer Scout Hall, Fordyce Rd

Welcome

The acting Chairman ZS2DL welcomed all present, and made a special mention of Nico van Rensburg, ZS6QL, the SARL President who was in attendance.

Silent Keys

The meeting stood for a moment's silence in memory of the following amateurs:

- ZS2AL Andre Le Roux 2021/06/12
- ZS2D Dirk Ligthelm 2021/07/12 (not a member)
- ZS2MF Ron Clarke 2021/08/04
- ZS2ABZ Bill Hodges 2022/02/12
- ZS2EHB Ewald Bouwer 2022/03/12
- ZS2NP Phil Kauffmann-Sorenson
- ZS2VV Dick van den Berg

Present and apologies

All present were asked to sign the attendance register.

Apologies tendered before the meeting:

ZR2CRS, ZS2GKP, ZS2PS, ZS2JV, ZS2BO, ZS2LLD, ZS2GS (with thanks for support while chairman), ZS2HR, ZS2BB, ZR2JH, ZS2RL, ZS2GIB, ZS2VR.

Apologies noted from the floor: ZS2CR, ZS2TED.

46 signatures, with 4 apologies noted in the attendance register.

Minutes of the AGM May 2021

These were circulated to all members via email as part of the official AGM Notice.

Proposed: ZS2EC

Seconded: ZS2AG

Matters arising: None

Treasurer's report

The financial statement was sent out prior to the meeting.

The treasurer ZS2MIC explained the income and expenses statement as circulated. Specific detail was provided as to how the huge expense of the new Lady's Slipper Tower had been catered for,

No questions from the floor.

Proposed - ZS2PTY

Seconded - ZS2PG

Chairman's report

The chairman tabled the past year's report.

Having assisted as Acting Chairman from January 2022, I can say that I have had a unique view of the workings of the club and the committee over the past 12 months.

Certainly a lot goes on in the background which the average member might not realise, to ensure that we have working repeaters, that we have events to participate in, that we have social gatherings to attend and that we have monthly meetings.

With Covid having tried its best to destroy anything and everything in its path especially our social lives what an achievement for us as a club to have survived this onslaught and come out on the other side for the better.

Probably the biggest project, expense wise and time wise this club has ever undertaken was completed for the most part this year in that after several months of being decommissioned our beloved 145.700 MHz (Slipper) site came back on the air. The amount of effort that went into it by our previous committee and everyone that lent a hand I think, deserves a round of applause.

Thankfully even though the cost of this restoration was extreme we managed it and am happy to say financially we are still ok.

Repeater high sites are however expensive beasts to maintain and as a result it is more than likely not the end of the expenditure for us on Slipper and town repeater for that matter.

Both sites equipment cannot run for ever without maintenance. It is for this reason and the fact that not much demand exists for out of town repeaters such as Grahamstown that we will have to prioritize where we spend our resources in the coming year.

To prove that we can still do what we are best at and that we won't let the virus get the better of us, to Tony ZR2TX and the band of merry men and women who volunteer for mountain biking events and various other races and have fun doing it and make new friends every time they do it. We would like to say thanks too. This also deserves a round of applause.

Several events took place this year which had been missing from the calendar the past 2 years and I am sure the list will normalize even more as time goes into 2023. For this reason I encourage those who can, to continue the involvement with these events and thank you on behalf of PEARS for doing so.

Events that come to mind are: Addo Elephant Trail Run, Nanaga Mountain Bike, Herald Cycle Tour, Longmore Forest Endurance Run , Trans Baviaans and and and, the list is endless.

Ironman has also come and gone again and even there they are always grateful to have the hams back them up with our communications ability.

From a contesting point of view there has also been significant movement. With the word team work coming back. ZS2PE was front and centre in the SARL VHF/UHF Analogue contest winning it by a mile and ZS2PE participation in CQWPX SSB.

Today saw the writing of the May Radio Amateur exam and we had 8 candidates sit the exam.

As difficult or as easy as you thought it was we look forward to welcoming them all into the fine hobby and indeed hope they will choose PEARS as their Club.

Our home at the Italian club for monthly meetings has been secured for another 12 months and I would encourage each and every one of you to make

the effort to support the club by attending these meetings not only because it's the right thing to do but because we intend to make it interesting and worthwhile. So come along be part of it and get to know your fellow club members.

It is the one sure way for you to develop your skills by learning from others.

As for another home we have, which is right here, the invitation is extended to each and every one of you to use the facility that has become affectionately known as the Jamtin. The Jamtin was the brain child of Jimmy ZS2JIM and together with helpers he has lovingly built it up and nurtured it.

It is available for use by any member of PEARS simply by arranging that it be opened for you.

Never before have we ever been so close to having our own home.

Something I do believe is still one of those dreams this club should aspire to because it is achievable if we work together for the common cause.

Sadly as we heard we had to say goodbye to some of our fellow members this year who have left to the great ham shack in the Sky and our hearts will always be emptier for having lost them.

Colin ZR2CRS has kindly offered to donate a board with names of our Silent keys which will be put up in the Jamtin. I think this is an outstanding gesture and he needs to be commended for this.

We also said a sad fairwell to Uli ZR2A (DM5EE) and Angela Ann who returned to Germany after their 3 year stay here, and even though We miss them I think they miss us more and Uli makes an effort every time he hears a ZS2 on HF to break the pileup to say Hi. He says he will be back for holidays for sure.

Then of late we also embarked on having new shirts printed which should be handed out to those who ordered today and we hope to make another list soon. We have also had PEARS Lapel pins made and these are available today at a relatively nominal cost of R40.

In Concluding, a year ago I offered my services to PEARS to serve on the committee after having taken a break for 11 years, and 6 months later found myself in the position of acting chairman when Gert ZS2GS tended his resignation.

Firstly I would like to thank Gert for his service he gave this club for the past

2 and a half years.

I would also like to thank the committee as a whole for making it easy to lead the club because of their dedication and motivation to make this club work.

Thank you to each and every one for the role large or small you play in the life of this club.

Get involved, get radioactive!

Remember you are the CLUB!

Then I wish the new committee well in their endeavours. I trust PEARS will enjoy a great 2022-2023

And I trust you all will enjoy the rest of this AGM with us and make at least one new friend before you go home.

73

Donovan

ZS2DL

Motions: There were no motions submitted for discussion at this year's AGM.

General: Nothing raised.

Awards

Nico ZS6QL addressed the meeting, and he and Dave ZS2DH handed out SARL awards:

- SARL Hall of fame - Al Akers, ZS2U 74 years a radio ham
- Jack Twine award – Tony Allen ZR2TX
- Jack Twine Award – Andre van Deventer ZS2BK
- Jack Twine Award – Kevern Burger ZR2BK
- Certificate of Recognition – Clive ZS2RT
- Joseph White Trophy – Dave Higgs ZS2DH (SARL Web)
- Icom Excellence Award – Dave Higgs ZS2DH
- President's Award – Donovan van Loggerenberg ZS2DL (RAE classes

and exams)

Donovan handed a club badge and ZS2DL QSL card for the “eyeball QSO”, to Nico in appreciation for his attendance.

The Chairman handed out the following 2022 PEARS Awards:

2022 Awards

Merit: (Certificate)

- Donovan ZS2DL for standing in as chairman at short notice and ensuring that continuity is maintained as this is not an easy task

Appreciation Award: (Certificate)

- Kevern, ZR2BK for all his assistance with repeater site maintenance.
- Tony, ZR2TX for the Co-ordination of all the events the PEARS provide The communications for.
- Ashley, ZS2AG for having taken over QSL and having done such an outstanding job of the publication.
- Dave, ZS2DH for representing PEARS at national level as SARL Councillor.
- Theunis, ZS2EC for having taken over the sorting and distribution of the ZS2 QSL cards from the Bureau.
- Andrew, ZS2G for always be willing to install a station for use by others for field days and contest. And his assistance at the Jamtin.
- Gert, ZS2GS for his leadership as Chairman for the past 3 years.
- Chris, ZS2AAW for his work in getting Lady Slipper up and running and all other Repeater work we rely on him so heavily for.
- Glen, ZS2GV for all his assistance with Repeater maintenance.
- Vanessa, ZS2VS for her support and tolerance of the time and effort ZS2AAW puts into PEARS.

Achievement: (Certificate)

- Lunga, ZS2LN for great work with Tropoducting propagation

Ou Toppie Award: (Certificate)

(none)

ZS2OB DX Trophy: (Cup + Certificate)

- Paul ZS2PS, Paul has really put a lot of effort into his dx'ing this year and his call sign is one to watch as he climbs the rankings.

ZS2AB Constructor's Trophy: (Cup + Certificate)

- Paul ZS2PS for his Hex beam project. Not only did he build it but he supplied an article for QSX about his build.

PEARS Merit Cup: (Trophy + Certificate)

- Al, ZS2U for becoming the first PEARs member to be inducted into the SARL Hall of Fame

W. Watson VHF Trophy (Cup + Certificate)

- Team ZS2PE represented by ZR2BK, ZS2DH, ZS2DL and ZS2SG for having won the SARL National VHF contest.

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

- Jimmy ZS2JIM for his dedication to PEARs and promoting amateur radio to the scouts and all his efforts in getting the Jamtin up and running

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

- Kevern ZR2BK, Has simply been everywhere this year and contributed to every facet of this club.

Secret award... for his 34 years as a member of the club, and serving on committee for 27 years,

- ZS2AAW Chris Scarr was given Honorary Life membership (the first time for a standard member).

The Chairman then thanked the outgoing committee for their dedication.

Donovan stood down and asked Nico to preside over the election process for a new chairman.

Election of office bearers

- Secretary – ZS2AAW, nominated ZS2BK, seconded ZS2DH
- Treasurer – ZS2MIC, nominated ZSDL , seconded ZR2TX
- Vice Chairman – ZS2DH, nominated ZS2MIC, seconded ZSZS2DL
- Chairman – ZS2DL, nominated ZS2AG, seconded ZS2BK

No further nominations were received, ZS2DL was given the reigns and asked to invite nominations for the balance of the committee.

Election of committee

Nominations for committee were invited:

Who	proposed by	seconded by
Outgoing committee en bloc	ZS2DK	ZS2PF
ZS2SG	ZS2DH	ZS2JIM

Nominations were ceased. The committee was congratulated.

The chairman called the meeting closed at 16h03

ZS2JIM reported having collected approximately R500 cash from boot sale, which he will use towards the Scout Hall

hire costs. ZS2DL, ZS2MIC and ZS2AAW agreed. ZS2MIC will pay the balance upon invoice, via EFT.

SIGNED:

Chairman:

Secretary:

SARL VHF/UHF FM Contest

By Dave ZS2DH

Following on from the successful first leg of the contest, the ZS2PE team returned to Oliphantskop on 4 June for the final leg of the contest. The first leg, held on 5 February saw the ZS2PE team setup a significant points margin over the rest of the field.

The contest is similar to the PEARS VHF contest in that the scoring is based on per Km with a multiplier for the number of grids worked. The way to win a contest like this is to get a few good contacts and then work the grids. Working grids is really about getting longer distances and the all valuable multipliers.



Planning was not as intense as it was for the first weekend – a lot of it stayed the same, but a lot changed too! We decided that the way to win the contest was by maximising the multipliers and that means working more grid squares and we needed more power. Donovan chatted to Mr VHF himself – Alex ZR2T and Alex agreed to not only join the team, but to bring along his linear amplifiers for 6m, 2m, and UHF. This upped our game significantly!

Personally, this was the first time I had ever worked with linear amplifiers on VHF and only the third time I have ever operated over 100W on any band (HF included!). Its fun, but I'm not

about to change my SOTA setup just yet. The additional batteries alone are a good enough deterrent!

We all met up at the Nanaga service station. Alex travelled with Donovan, I travelled with Shaun, and Kevern travelled alone – all the way from Cape St Francis! As is dictated by social protocol, we bought some pies and had lunch “alfresco” - in the parking area!

We were early, but no point waiting here – lets bank the time in case something goes wrong. We set off for the Oiliphantskop, Kevern lead-

ing the way, Donovan in the middle and Shaun and I bring up the rear.

Leaving the tar reduced our travelling speed to a mere grovel across some rather rocky uneven ground toward “the spot”. Arriving at our spot we found the “X” was missing but recognised it from various other features.

It was not long and there was a buzz of activity and well within the hour we had 3 masts up – one each for 6m, 2m, and UHF. A table was setup for the radios and other equipment and I had the kettle whistling in the background. We might be in the bush, but we can still be civilised!

A few quick test calls before the contest started encouraged us with reports of “5/9 and the kitchen sink” from Port Elizabeth. Tick Tock. Tick Tock.

It is something to watch three grown men all smiling as if they were cats who had just eaten all the cream! “Drive it like you stole it!” would have made a good caption for the photo!

Donovan, Shaun, and Kevern all calling CQ Contest at the same time – and then Alex and I trying to have a decent conversation!

We made several contacts into PE, Jeffries Bay, and Cape St Francis – on all three bands. A special thanks to Eric ZS2ECH who did some adjustments to his 6m antenna to help get us some contacts. Eric had to change the polarisation of his antenna to make contact – and it worked!

Working Lance ZS2LB in Alice-

dale was a nice surprise – and an additional multiplier! Kevern running 6m also broke the squelch in Kleinzee on the west coast, but unfortunately we could not make a contact. But they heard us!

Alex and I took turns, but most of the heavy lifting was done by Donovan on UHF, Shaun on 2m, and Kevern of 6m.

Time for tea! Carrot cake (Shaun’s favourite) and some more coffee. Its hard to call “CQ Contest” with a mouthful – have you tried it?

It started to get cold and we were very aware of the looming nightfall. The contest ran until 6pm local time, but I think we all knew we would



be off the mountain by then. The low “bakkies” we had (Shaun and Donovan) were not 4x4 and did not have significant ground clearance. Getting off after dark was not an option.

We started to pack up and within 45 minutes there was little trace of our existence. We headed off the mountain and back to town. Once again a long drive for Kevern!

We would like to thank everyone who came up to give us contacts, but especially to those who took part in the contest. We can not all be in the ZS2PE team, but we can all help fly the flag!

At this stage we are not aware of the points outcome, but of one thing we are certain: We had fun!

What's next? Well I'm glad you asked.

The 17 July is the ZS2 QSO Party! A great time to show the rest of the country how we do it here in ZS2-land! The points for this contest are stacked in our favour (don't worry – the other areas get their turns too - so it's only fair) What this means is that any ZS2 station is like a rare-dx and other stations will be looking for you! A great time to fill in the gaps on that WAZS of yours!

August is only a few weeks away, but holds the SARL HF contests – the PHONE, Digital, and CW contests. Please take part and enter your log – every little bit helps. Just make sure you enter PEARS as the club name on your log sheet. You do not have to take part in all three contests, but the winner will be the top combined scorer from all three contests.:pg sheets are available from the SARL website – or contact me – I'll get you what you need and help you get your log entered. Did you know PEARS made an effort in 2020 and actually WON the Club participation section! Lets do it again.

The Phone contest is on 7 August, the digital contest on 14 August, and the CW contest is on 28 August.



Left:

Honouring Amateur Radio Operators from way back. ARRL 50th Anniversary. 1st Day Issue. 1914—1964.

Anchorage, Alaska.

HAMMIES QSO Party

By Dave ZS2DH

The SARL Hammies QSO party took place on Sunday 12 June. The aim of the contest is to work as many stations as possible with a focus on ZU call signs and Hammies Clubs.

The local Hammies club falls under the national umbrella Hammies ARC – chaired by Noel ZR6DX, the SARL RAE Manager. ZS2ZU took part and managed to work call signs from all over the country. Included in the log were Hammies clubs ZS3ZU, ZS4ZU, ZS5ZU, and ZS6ZU – making it an almost complete set! ZS1ZU were unfortunately not able to take part and were sorely missed.

Due to various circumstances, most of the ZSxZU stations were run by adults, which is unfortunate, but not the end of the world. The ZS3ZU club had brand new Hammies at the controls and they did a fantastic job! Getting into the ZS3ZU log meant breaking a pileup! ZS2ZA, ZS2SG, ZS2EC, ZS2GS, and ZS2DK were all in the running and even the big man himself Noel ZR6DX clocked in. While most operators working the ZS3ZU kids were complimentary and encouraging, I'd like to offer up a special word of thanks to Andre ZS2ZA who went above and beyond to encourage the kids. As Andre says "It is a great privileged to talk to kids on the radio!"

A plans for a Hammies course in Bisho is underway and we have a target date of 7 August for their exam. It will be nice to have kids operating the call sign next time.

Birthdays and Anniversaries

Birthdays

June

22-Jun Kelly Cummings ZS2KC

29-Jun Vaughan Rizzo ZS2VR

30-Jun John Ashworth ZS2GB

July

02-Jul Mario Tiran ZS1AMT

05-Jul Nico Oelofse ZS4N

07-Jul Chad Jackson ZS2CJ

07-Jul Aldrin Baker ZS2AGB

10-Jul Mitch Rundle ZS2DK

11-Jul Marius Rautenbach ZS2JR

11-Jul Joao Pereira Da Silva ZS2DS

11-Jul Gert Schoeman ZS2GS

13-Jul Cyril Hislop ZS2EJ

14-Jul Alex Gogos ZR2T

Spouse Birthdays

July

08-Jul Ronel Du Plessis Basie ZR2BA

12-Jul Sandra Bowden Neville ZS2N

Anniversaries

June

26-Jun Kevern Eugenie Burger ZR2BK

July

01-Jul Gerrit Laetitia Rautenbach ZS2XD

18-Jul Marius Louisa Rautenbach ZS2JR

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 8:30 in English read by Rory ZS2BL, transmitted through the Town 2M Repeater on 145.650MHz.

PEARs bulletins are transmitted on Monday evenings at 20h00 on the Lady's Slipper repeater, 145.700 MHz, 88.5Hz, Narrow and 438.700 MHz, no CTCSS Wide. (Standby option is 145.650MHz Town repeater 88.5Hz, Narrow)

Bulletin Roster

20-Jun	Kevern	ZR2BK
27-Jun	Ashley	ZS2AG
4-Jul	Glen	ZS2GV
11-Jul	Jimmy	ZS2JIM
18-Jul	Shaun	ZS2SG
25-Jul	Donovan	ZS2DL
1-Aug	Dave	ZS2DH
8-Aug	Chris	ZS2AAW
13th June	Mike	ZS2MIC

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

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Our 2022/2023 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, RAE classes, Technical Workshops, HF tests	Donovan van Loggerenberg	ZS2DL	zs2dl[at]hamradio.co.za	082 852 4885
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]jigen.co.za	082 523 5677
Secretary, Repeaters, WiFi	Christopher Scarr	ZS2AAW	christopher[at]peham.co.za	082 925 6367
Technical Workshops, RAE class assistance, HF tests	Shaun Gilbert	ZS2SG	gaswise3[at]gmail.com	083 672 5241
Technical support & maintenance	Kevern Burger	ZR2BK	k.burger[at]stfrancislinks.com	083 401 9587
Technical/repeaters, Search and Rescue & Emergency comms	Glen Cummings	ZS2GV	glenvanessa[at]gmail.com	082 411 2743
Socials, Scouts interface, "Jamtin" Scouts operating container	Jimmy De Scande	ZS2JIM	jimmy.descande[at]gmail.com	083 650 9422
QSO Editor	Ashley Goosen	ZS2AG	qso.zs2ag[at]gmail.com	082 372 6696

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

(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	Viewlands	<----- These form linking hubs for events, hence no tail	DMR	D-Star
431.000/438.600 Add 88.5Hz for squ tail	431.075/438.675 Add 88.5Hz for squ tail		430.675/438.275 QTH: ZS2VA	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	Grahamstown	Cradock	Noupoort (link only)
145,100/700 88.5Hz, Narrow 12.5k	145,150/750 Wide 25k	145,050/650 Wide 25k	438,750 / 438,675 Wide 25k
Colesberg	Kareedouw	Plett	Brenton
431,075/438,675 Wide 25k	145,125/725	145,175/775	145,075/675

APRS/Packet network:

ZSONTP Node	ZSOKDK APRS Digi	ZSOKDB APRS Digi	
Lady's Slipper 434,800 1200bd 439.850 9600 bd	Mount Road 434,800 1200bd	Longmore 434,800 1200bd	

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.**