

THIS NEWSLETTER IS PUBLISHED BY THE
PORT ELIZABETH AMATEUR RADIO SOCIETY

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P.O. BOX 10402
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November 1999

! NEXT MEETING = CHEESE, WINE!

The monthly general meeting of the PORT ELIZABETH AMATEUR RADIO SOCIETY will be held on **Friday, 19 November 1999** commencing at 20:00 (8pm) in the Municipal Disaster Management Centre, Westview Drive, Mill Park, Port Elizabeth (Civil Defence Centre).

This being the last monthly meeting of the Society in the current millennium/century/year, (we don't hold monthly meetings in December) business will be disposed of as quickly as possible and a cheese and wine evening will be enjoyed.

The Society will provide the cheese and biscuits and a few boxes of wine and fruit juices (and maybe even a bottle or two of champers??) so that all present may toast the historic occasion. Perhaps we will pause a moment to remember and honour our rewarding heritage – the 20th century developments and ever-expanding discoveries that gave birth to, and nurtured, our hobby.

Spouses, YLs and YMen, whose support and understanding are so important to one's pursuit of our hobby, **are especially invited to attend and enjoy the evening with us.**

Participants may wish to bring along any additional refreshments of their own choice if cheese and wine is not their cup of tea.

Wrinkly Ravers

The **next rave** is scheduled for **Thursday, 2 December 1999** at the Zwartkops Yacht Club Clubhouse. Best to get there between noon and noon:30 for a chinwag and to place your order.

At our October gathering we had the use of the upper deck and the table layout seemed a little more chatty, everyone being within talking distance and in view of the rest of the gathering. However, the lower deck view of the river is prettier.

The next one being the last Rave of the year/century/millennium, you may wear a silly paper hat if you feel the urge to *really* go wild on this remarkable occasion. It may help to carry you properly into the new millennium. Everything else is being carried into the new millennium, so why not you? Better than being carried *out*, isn't it?

DAY TRIP TO PLETTENBERG BAY SATURDAY, 4 DECEMBER

Remember the outing to the QTH of Roger Davis ZS1J on 4 December. See elsewhere in this issue for directions.

See page 6!



A Word From the Chair



Preparations are going well for the proposed communications contingency plans for the year end. I do, however, notice that amateur resources will be spread thinly between various parties requiring assistance. One needs to weigh up the effects of various scenarios to realise that a week without electricity would certainly spell disaster, and as such, I feel correct in ensuring the repeater network backbone is made available to the electricity utility as a first priority, should their network fail. Some might say I am biased – but the benefit of the expansion of the network will be realised by amateurs throughout the Eastern Cape.

On to a more fun-filled note. Make sure you team up with some friends or family and get organised to be at Roger, ZS1J's QTH on the first weekend in December. If past experience is anything to go by, this will be a really nice opportunity to meet and get to know the Garden Route chaps too. But I will be crazy to go all the way to Plett, and not use the chance to carry on to clear up the last few teething troubles on our link to the Western Cape. Let's hope that, after that weekend, we have a tip-top network, one which can be remotely controlled as it was designed to be.

This highlights another point: we need to be accommodating in our use of the linked repeater network, and also somehow engender the confidence of users to give their callsigns when sending DTMF commands. I am really happy when hams have the courage to fiddle with the network – that is what it is there for – but it IS annoying when no callsigns are given, and sections are switched out without announcement. So come on chaps, let's play the game

And don't forget the Cheese & Wine function – how often do you get munchies and drinkies for free on a Friday night? See you there!

73,

Chris ZS2AAW

HAMNET/ECARES GENERAL MEETING

This meeting takes place on Wednesday, 24 November 1999 at 1930 at the Municipal Disaster Management Centre. The main topic of discussion will be Y2K and how we may be involved with regard to communications. We plan to have a few speakers on the subject, followed by general discussion.

Hamnet/ECARES members are asked to make a special effort to attend this meeting. *Other interested hams are more than welcome to also attend.*

OPERATING PROCEDURES

The necessity for certain definite operating procedures has no doubt been established by experienced operators over the years and anyone who has done any serious operating will appreciate the benefit of this.

It may seem unimportant during casual conversations over the two metre repeaters, which function so well, or on HF when conditions are good. However, at the very time when communications are very important, possibly vital, that is during emergencies, we will more than likely experience poor operating conditions.

Floods, bush-fires and gale force winds could take down your antennas and/or cut your mains power supply. It could also affect the station or stations you are trying to communicate with.

Repeaters could also be affected. The Lady's Slipper repeater was off the air a few years ago due to a flood and this year because of a bush-fire.

At an accident scene you may have to contend with poor comms and noise from people and vehicles and so on. It is also under these circumstances that time is of the essence.

Under these conditions correct operating procedures become very important and this is the worst time to try to learn this. Practice correct operating procedures all the time so that when faced with such a situation it will have become a force of habit.

I feel very strongly that all hams should from time to time participate in one or more of the following activities: contesting, working DX, especially on CW, and providing comms for rallies. This is where you really learn the importance of correct operating procedures.

If you are not the competitive type, do not be concerned about how you measure up to other participants. Regard it as a personal improvement exercise. You may even be surprised at how well you fare.

73,

Al Akers ZS2U
Provincial Director,
Hamnet East Cape/ECARES

No Chatting on a Choo-Choo

Well, the good old SAR&H, alias SpoorNet, switched the points on us and derailed our plans for a trip on the Apple Express on 30 October. However, we will not let the idea run out of steam but will try to arrange an excursion another time now that things seem to be back on track.



OUR FIELD DAY STATION ZS2000

AL AKERS ZS2U


PEARS' field day station, which used our "millennium" call sign ZS2000 for the first time during the contest on 9/10 October, was rather unusual in that one of the operating positions was Colin ZS2AO's *houseboat!* The other was yours truly's Kombi.

Each used a transceiver with 100 watts output. Antennas were: a long wire with counterpoise for 160m and 80m, two dipoles for 40m, and a Delta Loop for 20m.

Conditions were not too good, so I feel we did well enough under the circumstances. We made 113

some of whom assisted in one way or another, such as erecting or dismantling antennas and stations, organising the braai, etc.

As a public relations exercise it was unfortunately a dismal failure, but certainly a success from the social point of view. Thank you to all who contributed in one way or another to the operation.

A special thanks to Bill ZS2ABZ, who spent the whole period at the site and did sterling work with antenna organising and with operating, and to Colin ZS2AO, who kindly loaned his houseboat for our operations. 



LEFT—PEARS' high and dry houseboat field station
BELOW—Bill ZS2ABZ at the controls of ZS2000

contacts, 5 on 160m, 11 on 80m, 47 on 40m and 50 on 20m and made a grand total score of 1890 points. How we fared against other contestants remains to be seen.

The six operators I know of were Chris ZS2AAW, Des ZS2ABU, Bill ZS2ABZ, Don ZS2DL, Garth ZS2HB and yours truly. Sorry if I left anyone out.

We had over 30 hams visiting the site,



Junior Pears

The part of the club for the young okes

GREG MAYNARD ZS2RE

Yo Okes, What happened to most of you at the braai that we had on the 9th of October? Man, I suggest you keep looking over your shoulder for the Junior PEARS Mafia.

Well, with like the few okes that we had there, we decided that one of the things that we must do is like get together once a month for some cool social stuff somewhere. There are plenty of rad things that we can go out and do around here and just like hang out & chill.

We haven't got anything planned for the rest of this year cos it's that time of the year again where most okes are stressing about exams and tryin to cram all that stuff into your heads and then, after school and technikon and varsity is finished, you just want to hang out and relax. So as

Guess this is the appropriate page to let members know that Vanessa ZR2VM and Chris Scarr ZS2AAW are expecting a wideband, high frequency noise generator around June 2000. Word has it that Chris is developing a DTMF unit to control the audio level but the problem of spurious output has him licked.

I like said earlier, we start organising some stuff for next year from Feb.

Now, I need some details from you young okes out there. We want to know that besides me, Nicolas & Mark who else is out there so that we can like contact you with stuff. Please can you like tell me who you are. I need to know your name, age, call sign, phone number, contact details etc. You can e-mail all your vital particulars to me at gregre@icon.co.za or otherwise phone me at 583-1483.

So, listen, we'll check all you okes next year. Just don't forget to send me your details!!!!!!!!!!!!

73 to the guys & 88 to the chicks

[Like, how can youse be Junior Pears if youse is Young Okes? Everyone like knows Young Okes is mos Acorns, man!—Ed]

More Commanding Officers' reports on junior officers' prowess:

- This man is depriving a village somewhere of an idiot.
 - This Officer should go far - and the sooner he starts, the better.
-

FOR SALE ★ WANTED ★ SWOP

WANTED

* Anybody visiting Johannesburg who could call on SARL HQ and pick up a framed certificate for André Botes ZS2ACP — Pse tel. André at 379-2058.

FOR SALE

* Hi-Gain 12AVQ 3-band vertical (20,15,10m) – R100; 14AVQ 4-band vertical (40~10m) – R100 — Beavan Gwilt ZS2RL, Tel. 360-6968.

* CB sets, Philips and Cobra, Shakespeare antenna, power supply – Jimmy Hoole ZS2ABM, Tel. 38-1356.

SARL DEVELOPMENT GROUP – Extracts from Bulletin No. 11

KITS FROM LOCAL SOURCES

Progress continues but of necessity is slow during this initial stage. The KitMakers operate in their spare time, much of which is spent in development prior to production of the first, tested, documented, and costed prototype.

Several units are imminent and flow will increase. Due to information supplied by interested hams, (thank you!) we have located several more KitMakers who will add to the flow and variety in due course.

A list of KitMakers with contact addresses and readied kits was

expected to be published by the end of October, after discussions in regard to terms and conditions had been established. Kit orders will be placed direct.

Following publication of the names of the KitMakers, we hope that further names of competent hams will be forwarded to us by Clubs, or the individuals themselves. We will use every effort to regularly publicise their kits via e-mail to all Clubs, SARL HQ and Radio ZS.

THE SUGGESTED ROLE OF CLUBS IN THIS EFFORT

1. Revive members' interest in technical activity
2. Promote home construction and aid kit constructors
3. Promote, initiate, and support efforts to make an affordable start into ham radio by newcomers and hams with limited licences
4. Provide regular publicity to this initiative at meetings, via club bulletins and club newsletters.
5. Take steps to revive the interest of inactive members
6. Take practical and active steps to contact all licensed hams resident in your locality (many are presently out of contact) in order to bring them back into the amateur fold.
7. If you have a bit of spare cash, subscribe to GST and Radcom etc!
8. Consider a further suggestion under the heading of contact information for kits and components.


MORE KITS REQUIRED

The ERRC reported in a bulletin: "The following kit (available now) has been developed by 16 year old Pieter Stoltz (a Junior of their Club) – A morse code kit is available at R42.00 excluding postage. Phone Chris at 082 345 2703 for details".

If a 16 year old is aiding the cause, what about you other OM's?!!!

Other kits available from another source are – a Roger beep kit, a power

microphone kit, adjustable power supply, speech processor kit and antenna kits. More info on these units in the next SARLDG bulletin.

Any suggestions from PEARS members for fostering the technical pursuit, as recommended by the Development Group and which is essential if we are to successfully defend and justify the retention of our amateur bands? 

PIC WORK GROUP PROJECT

(Part 4)

By Neil Thomas ZR2N

In part 3 we defined all the variables, wrote the code for the interrupt service routine and the 'main' controlling program. In part 4 we will discuss the routine that reads the binary number represented by the 8 switches.

Also in part 3 I asked if anyone could spot the deviation from the flow diagram presented in part 2. Although I received no response, I'd better let the cat out of the bag.

The flow diagram shows that we only check for the occurrence of an interrupt before the routine that reads the binary number on port B.

statement 'clrf INTCON' before calling the routine 'display_prep' disables the interrupt system.

We effectively check for interrupts during the reading of the binary number as well as during the conversion of the binary number to binary coded decimal numbers. The interrupt system is then disabled while the numbers are displayed on the 7 segment LEDs.

The routine, called 'readno', in the panel below sets port B pins as inputs, makes port A pin RA3 a logic one and then reads in the binary number represented by the status of the eight

```
readno
158 clrf   PORTA
159 clrf   PORTB
160 bsf    STATUS,BankNo ;Set status bit 5, i.e. select memory bank1
161 movlw  0xFF          ;These two statements make all of port B
162 movwf  PortbCtrl     ;inputs
163 movlw  0x10          ;These two statements make portA RA0 to
164 movwf  PortaCtrl     ;RA3 as outputs and RA4 as input
165 bcf    STATUS,BankNo ;Clear status bit 5, i.e. select memory
                          ;bank0
166 bsf    PORTA,0x03    ;Set RA3 to logic 1 (high)
167 movf   PORTB,w       ;Read portB and store it in w
168 movwf  BinaryNo     ;Store w into file called 'BinaryNo'
169 bcf    PORTA,0X03    ;Set RA3 to logic zero
170 return                ;Return to 'main' and execute the next
                          ;statement
```

According to the code presented in part 3 the statements 'bsf INTCON,.7' and 'bsf INTCON,.5' in the 'main' routine enables the interrupt system. This remains enabled throughout the execution of the routine 'readno' and 'convert_prep' after which the

switches. I have added line numbers for easy reference.

The first two statements (lines 158 and 159) ensure that both port A and port B pins are set to zero. The statement 'clrf PORTB' clears the file called PORTB, i.e. it makes all 8 bits

equal to zero. This is necessary as the status of these pins can be one or zero after starting up for the first time. Line 160 sets bit five in the STATUS register to one. Remember that we defined BankNo as 5 in the statement 'BankNo EQU .5'

By setting bit 5 in the STATUS register to 1, we can now address the special function registers in memory Bank 1. Two of these special function registers control the functioning of Port A and Port B. I called these registers PortaCtrl and PortbCtrl. These registers are also called TRISA and TRISB.

Each of the eight bits in PortbCtrl represent an I/O pin on port B. As the PIC 16F84 only has 4 pins on port A, only the least significant four bits (nibble) in PortaCtrl each represent an I/O pin on port A. By putting a 1 into a particular bit in the Port Control register, the associated pin becomes an input.

A zero in the relevant bit makes the associated port pin an output. Note that this has no relation to the logic level on the particular port pin, but only controls the function of the pin. To change the level of a port pin or to read the level of a port pin, the register PORTA or PORTB must be written to or read from after memory bank 0 was selected.

It is hopefully clear that lines 161 to 164 define the function of PORTB and PORTA during the process of reading the binary number represented by the switches. Line 165 clears bit no 5 (BankNo) in the STATUS register and therefore selects memory bank 0 and no longer memory bank 1.

Line 166 sets bit no. 3 in register PORTA to one resulting in pin RA3 going high. This pin is common to the 8 switches and any closed switch will therefore register a one on the input of port B to which it is connected.

Line 167 moves the content of register PORTB into the W (working) register.

Now, lines 161 and 162 defined port B as inputs and whichever switch is closed will put a one into the relevant bit of PORTB. The content of PORTB therefore represents the binary number as switched by the 8 switches.

The command 'movf PORTB,w' moves the file PORTB into the W register (this is the binary number). With the command in line 168 we move the contents of the W register into the file BinaryNo for later use and line 169 clears bit 3 in PORTA therefore making pin RA3 zero again before returning to the 'main' routine.

Now we have read in the 8 bit binary number and stored it in the file called BinaryNo.

The next routine to discuss converts the binary number into binary coded decimal numbers. This is a very useful routine as it is always necessary to convert binary numbers to BCD numbers and then ASCII for liquid crystal displays.

As there is not enough space in QSX to explain binary division, it is a good idea to read up about binary division, as the conversion from binary to binary coded decimal numbers makes use of binary division.

Happy PICKing!

CB PLL CONVERSIONS

VIV MOORE ZS2VM

In a previous QSX we promised that there would be a follow-on, and mentioned here are the MB 8719 and MB8734. Both are 18 pin DIL devices and to all intents and purposes have the same characteristics.

The MB8719 uses an 11,1125 MHz crystal in the mixer circuit and will be found in the Cobra 140/148, Telefunken Starfire, Philips, SBE Land Command and President range. The MB8734 is found in the Cobra 148GTL using an 11,3258 crystal.

CLARIFIER

The sets mentioned use a similar board, which are marked in

present on both transmit and receive (8v. on pin1). Connect one side of the pot. to this land and the other side to ground on the board. Connect a 100k resistor to the slider of the pot and the other side of the resistor to the land where D35 was connected to L24.

You will find the frequency adjustment tends to bunch up at the one end of the adjustment. swapping the outer leads on the

PIN OUT

PD 1	18 Vss [ground]
FIL 2	17 Frequency in
FIL 3	16 P1
FIL 4	15 P2
FIL 5	14 P3
LOCK 6	13 P4
Oscillator 7	12 P5
Oscillator 8	11 P6
Vdd 9	10 P7*

* Presetable divider – High = Preset to 64 (used with 11,3258 crystal); Low = Preset to 128 (used with 11,1125 crystal)


Note that the program pins are normally high (8v) and have to be programmed low via the selector for the required binary total.

the same way, so the following could count for all.

In order to get the clarifier live on transmit as well as receive and to get a 10kHz swing one must firstly disconnect the clarifier potentiometer from its present connections. Locate and remove VR3 and D35.

Now find a regulated voltage at the voltage regulator that is

pot may be an improvement. This is because the action from the varicap diode is not linear and, as the potentiometer is also not linear, it may counteract the condition.

Sometimes one cannot get enough swing to cover the full 10kHz and fitting a 10mH choke between the varicap (D37) and ground should fix this. 

MINUTES OF THE MONTHLY GENERAL MEETING OF THE PORT ELIZABETH AMATEUR RADIO SOCIETY, HELD AT THE MUNICIPAL DISASTER MANAGEMENT CENTRE, MILL PARK, PORT ELIZABETH ON FRIDAY 15 OCTOBER 1999

Present & Apologies: As per the register, 21 persons. Apologies from ZS2RT and ZS2RE.

Welcome: Since Chairman Chris ZS2AAW was scheduled to deliver the Y2K talk later, Vice Chairman Beavan ZS2RL took the chair and opened the meeting by welcoming all present.

Minutes of previous meeting: The Editor of QSX having omitted the minutes from the October issue of QSX due to lack of space, Beavan read out the minutes to the meeting and they were accepted on a proposal by Chris ZS2AAW and seconded by Viv ZS2VM.

Matters arising: 1) Al ZS2U reported on the Society's Field Day special event station. On a proposal by Chris, a vote of thanks was passed to Al for his organisation of the station.

2) Notice was given that, due to a decision by Spoornet, the planned outing on the Apple Express on 30 October had to be cancelled.

3) Visit to ZS1J: A show of hands indicated a preference for the trip to be undertaken on a Saturday rather than a Sunday, and it was decided to aim for 4 December if this date suited the majority of interested Garden Route participants.

4) Golf Shirts: A member had asked whether blue shirts could be provided. It was stated that blue would be more expensive if they could be made available. Members felt that we should adopt white as the uniform colour.

Finance & membership: On behalf of Treasurer Clive ZS2RT, who had a prior engagement, Chris reported on the status of our finances. He also reminded members of the need to submit their Rally claims as soon as possible.

Correspondence: Various club newsletters, Icom radio brochures, and Radio ZS with the Society's membership card had been received and were tabled.

General: 1) Beavan drew attention to the stiffy with ham programs that the Society had received with the ARRL handbook and invited anyone who wanted a copy to contact him soon with a clean stiffy.

2) The possibility of acquiring an unused Scout clubhouse was discussed. Neil ZR2NT mooted the idea of forming a closed corporation in order to finance the deal if necessary.

3) Chris ZS2AAW reported that the temporary 145.625 repeater had now been removed.

4) Rally debrief: Good feedback had been received from the public and rally participants regarding communication efficiency. The Organisers had apologised for a misunderstanding that arose following their redeployment of our operators without consultation.

4.1) Anne Smithers ZR2XT asked whether helpers could in future be provided to assist with record-keeping for mobile officials, which was difficult for operators to handle. It was pointed out that it is up to the officials themselves to arrange for such assistance. It is not the operator's job to keep records for them.

After the tea break, Chris ZS2AAW gave a rundown on the ramifications of Y2K as it might affect electricity supplies around the country. He described additional developments to our Eastern Cape repeater system, the backbone for which would be placed at the disposal of Eskom in the event of problems taking their own repeater systems out over the Y2K period.

The meeting ended at 2215.

PEARStalk

PEARS REPEATER NETWORK

Just as we were about to publish a new network diagram, off go Chris ZS2AAW and his EL counterparts and add more bits to the link. A new repeater has been installed near Butterworth, which extends the coverage into a good bit of the Transkei, but the backbone system now also extends further inland towards Noupoot, the Garieb Dam and the Free State.

METEOR SHOWERS

For a couple of days before and after 17 November, there is a good probability of meteor showers occurring and providing not only interesting sightings but also good meteorscatter propagation on VHF.

PEARS YOUTH AFFAIRS

At a recent committee meeting it was decided to co-opt Greg Maynard ZS2RE to look after the younger set in the Society. We sincerely hope that he will receive more support from those whose interests he has at heart than he has up to now.

GIZMO UNIDENTIFIED

Nobody has yet come up with an answer to the Whatsit? question on page 6 of the October issue of QSX. The gizmo remains unidentified and Roger is thinking of sending it to Radio ZS.

3 RAE CANDIDATES

We learned only recently that three hopefuls entered for the November RAE. We trust that they found the paper to their liking and hope they hear good news soon, whereafter they will let a committee member know for the record.

JOTA

As reported last month, there was no JOTA station in PE this year. However, a Scouter has indicated that he plans a revival for next year and will contact us in good time to arrange a worthwhile event.

QSL SERVICE

Anyone who wants to receive QSL cards that are sent via the Bureau a little speedier than normal should get in touch with Beavan Gwilt ZS2RL as soon as possible.

By arrangement with the SARL Bureau, all cards for persons whose names are on our list will be sent to the Society and distributed at club meetings or they may be called for by the addressees.

In the normal course of events, cards for a particular member are kept at the Bureau until a sufficient number are on hand to make their

despatch economical.

Periodically, however, all cards on hand for a particular region are despatched irrespective of the number for any individual. This means that cards for some members could lie for many months before they are finally posted.

NOTICE TO CLUBS

We are again updating our distribution list for QSX. We will continue sending QSX to those clubs from which we receive newsletters. Those that do *not* produce newsletters but would like to receive QSX are asked to let us know as soon as possible. *(Note to FSARC, Welkom: You are already on our list, so you need not respond!)*

JOIN THE SARL

At least *one* local ham was moved to renew his membership of the League after reading your Editor's appeal last month (page 11). Hopefully many more will give it serious thought, because it is imperative that we get the League back on its feet. As stated, it is now moving in the right direction again, but we need to help it gain momentum in the interests of us all. We certainly cannot afford to let it grind to a halt but, if it does not receive adequate support, that could very well happen.

Constant coupling by SARL officials of commercial onslaughts on our bands with calls to listeners to rejoin the League are probably counter-productive. One tends to suspect that the onslaughts are actually being used as a bogeyman to gain members. For this reason, councillors should avoid coupling the two thoughts in the same breath.

But the danger *is* very real. However, that is not the only reason why we need a strong league. The organization has many other important functions, the performance of which is more economical if costs are spread over a wider base. More members also means more and better articles for Radio ZS, for example. And those who have left the League due to dissatisfaction are probably *thinking* types, i.e. the types that one really needs in any organization.

Things have changed, and your reason for leaving the League perhaps no longer exists. So grab your cheque book and dash off your SARL subscription now! As the adverts say, people are waiting to answer your call.

VW RALLY CLAIMS

Take a bow, all of you who assisted with comms for the rally. The organizers offered their congratulations and nice comments were made by the public and others for the speed and accuracy with which results and communications between officials got through.

Remember to let Clive have your fuel cash slip so that he can reimburse you. You have up to the November meeting to stake your claim.

REGULAR HAM ACTIVITIES

There are several ham activities that take place regularly, but not all members appear to be aware of them. For example:

Monthly meeting of PEARS – 3rd Friday of month, 20:00

Bulletins: SARL Sunday 08:15 (Afr), 08:30 (Eng), 7066/7082 kHz & 2m.

PEARS Sunday +08:45 7098kHz & 2m.

HAMNET Sunday 09:10, 7070 kHz.

President's Net: Sunday 12:00, 7082 kHz.

Amateur Radio Mirror International
Sundays 10:00, 7082 kHz, 9750 kHz.

CW practice: Mon, Wed, Fri, 19:00, 2m.

VHF FM DX Group: Nightly 20:30 & 21:00 onwards.



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Condolences — We extend our sincere condolences to Lidia White, XYL of the late Chris ZS4ABS of Venterstad, and members of the family. Chris passed away during the latter half of October.

Thanks — Garth ZS2HB and family wish to thank all those who expressed condolences and in other ways paid their respects on the loss of Mom/Ouma, May, on 1 November.

Congratulations...

on your birthdays:

November

- 26 Fred Strutt ZS2JS
- 28 Elizabeth Jasson ZR2EJ
- 28 Gerald Taylor ZS2AAX

December

- 5 Clive Fife ZS2RT
- 6 Lionel Coombe-Davis ZS2DD
- 13 Kay Strutt XYL of ZS2JS
- 15 Bryan Haefele ZS2BH
- 18 Anne Olivier ZR2ABC

on your anniversaries:

November

None recorded in this QSX period
(21 November to 18 December)

December

- 2 Rene & Neville Roebert ZS2NR
- 9 Dot & Vic Plumridge ZS2VP
- 10 June & Mike Jones ZS2JJ/ZS2MJ
- 12 Jane & Clive Fife ZS2RT
- 13 Martie & Dick van den Berg ZS2VV
- 16 Marlene & Colin Ashwell ZR2ED/ZS2AO

on passing the CW test Ginny and Pat Pullinger, now sporting ZS call signs (ZS2GIN and ZS2PJP for their East Cape residency and ZS6GIN/ZS6PAT while they still have one foot in Gauteng).



Welcome to Ralph & Daleen Hall ZS2IV/ZR2DOL and family, who we hear are settling in Uitenhage soon.

Greener Pastures: Ewan ZS2EN and family left Grahamstown to settle in Somerset West on 1 November. We're sorry to lose you, and we know Phil 2PP will sorely miss you on your "private intercom" 2m channel. Let's hear you using the linked repeater system, Ewan.

Out of Town: Julie ZR2EY and Trevor Scarr ZS2AE visiting their daughter in Cape Town, who has had an eye operation; Greg Maynard ZS2RE back 'home' to Johannesburg for the Technicon holidays.

Bad Luck: John Hugo ZS2J suffered severe tower damage in the gale early this month. Sorry to hear that, John.

Your Society's Committee

Chairman, Repeaters, Packet.....	Chris Scarr ZS2AAW	38-1344
Vice Chairman, Secretary	Beavan Gwilt ZS2RL	360-6968
Treasurer; Assets Control.....	Clive Fife ZS2RF	32-3203
Awards, Refreshments.....	Bill Hodges ZS2ABZ	581-2580
QSX Editor.....	Garth Laaks ZS2HB	38-1101
e-mail the Editor at.....	glaaks@iafrica.com	
QSX Collation/Distribution, repeaters, packet.....	Trevor Scarr ZS2AE	32-1746
Technical Classes (convening-administration).....	Cyril Hislop ZR2H	360-8482
Technical Classes (lectures).....	Viv Moore	360-4433
Librarian	Neil Thomas	
Special Events, Social.....	Cyril Hislop ZR2H	360-8482

PEARS' VHF/UHF & Other Services

REPEATERS

Town VHF	# 145.050/650	Kareedouw.....	† 145.125/725
Town UHF	# 431.050/438.650	Knysna	* 145.075/675
Cockscomb	145.000/600	Lady's Slipper.....	* 145.100/700
Craddock	* 145.050/650	Uitenhage.....	# 145.075/675
Grahamstown	* 145.150/750	Theescombe.....	† 145.175/775

* These form PE's long-range 2-metre repeater system, to which the East London 145.125/725 MHz repeater and the George repeater on 145.100/700 are also linked. It is DTMF extendable to Cape Town via the CIARC system. # These can also be linked as required. † These are privately owned repeaters and are not included in the PEARS linked repeater system.

OTHER SERVICES

Packet Bulletin Board (ZSONIP)	144.625
Packet Rose Switch /SOGHI-3,046101 (144.675 in/out) or 046102 (UHF out to BBS).....	144.675
2m Beacon (ZS2VHF CW ID) (horizontally polarized, 160W ERP).....	144.410
6m Beacon (ZS2SIX CW ID) (horizontally polarized, 25W ERP).....	50.005
6m Simplex Link with Lady's Slipper 2m Repeater (vertically polarized).....	51.400
Wefax Relay (Meteosat).....	145.350
Web Site	pears.8m.com

Sunday Bulletins

PEARS bulletins are transmitted on Sundays immediately after the SAREL English transmission, i.e. at about 08:45, on 7098 kHz as well as the 2 metre linked network that provides coverage from East London to George and environs as well as Craddock via the linked repeater system described above. PEARS' 7098 or 3640 kHz transceive facilities are also remotely linked as needed. In addition, the SAREL's 40m operations on 7082 or 7066 kHz or Hammet's 7070 kHz can be remotely patched into the 2m network, in receive-only mode or with full transceive capability for interactive events.

Date	Prepare and Read on 2m Repeater link	<u>DIARY DATES</u>
14 Nov	ZS2RL	<u>NOVEMBER</u>
21	ZS2AE	19 PEARS monthly meeting
28	ZR2H	24 Hamnet/ECARES meeting
5 Dec	ZS2AAW	<u>DECEMBER</u>
12	ZS2HB	2 Wrinkly Rave
19	ZS2RT	4 Outing to Plet
26	ZS2ABZ	

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