



QSOX PE



**THIS NEWSLETTER IS PUBLISHED BY THE
PORT ELIZABETH AMATEUR RADIO SOCIETY**

**PO BOX 10402
LINTON GRANGE
6015**

NOVEMBER 2003

Christmas party & monthly meeting

The monthly general meeting of the PORT ELIZABETH AMATEUR RADIO SOCIETY will be held on **Saturday**, 22 November 2003 at the QTH of Janet and Ashley Goosen ZR2AG. Get there around **10.00 in the morning**. There will also be a short **committee meeting** at the start.

For those who do not keep QSX in it's rightful place, or who have torn out the front page from the August issue, a map to Ashley's place appears below.

The meeting will be kept to a minimum, so that we can relax and get the party going. It is a **bring** and braai, with everyone bringing plates, utensils and their own braaigoed, as well as something to sit on just in case. The Society will supply the fires, grids and also wines, cool drink and icecream.

Ashley has asked all those intending to go to let him know a few days earlier so he knows how many to seat.



Wrinkly Ravers

Although PEARS does not have its own monthly meeting in December, the Wrinkly Ravers will continue *their* thing next month and get together at Barney's Steak Bar on **Thursday, 4 December**, for their last meeting this year.

Barney's is in the Gardens Centre, Circular Drive, Lorraine. It is now under new management so we gave it a go. This month there were 12 members present, and from all accounts they enjoyed their meals.

Because there were also free Sterling light ales for those who selected certain items, the flow was relatively free. The person on my left - a previous chairman who shall remain nameless - had three, including those given to him by more sedate clients, as well as his original draft beer. Fortunately, Mel was able to drive. ☹



from *The* *Chairman*

Firstly, I would like to take this opportunity to welcome a new addition to our committee, Barry Murrell ZR2DX. He has just relocated from Gangsters Paradise, and has been kept very busy setting up a new shack. Barry will continue to maintain the PEARS website, and has taken over the portfolio of secretary. He has also promised to write a regular column for QSX specifically relevant to satellites and the digital modes – two facets of our hobby that Barry has a great deal of experience in.

Meeting attendance is still not up to scratch – with a membership of well over a 120 it is disappointing to see just 25 to 30 members pitching. Folks this is your club, and you are what makes the club what it is. Make the effort and phone your buddies, ask them to come along with you. The bigger the turn-out, the greater the fun! If the club isn't addressing your area of interest, bring this up at a meeting – we can't cater for your interest if we don't know what it is.

The Monday evening repeat of our local bulletin and the ensuing technical discussion is gaining popularity week by week, the AM relay by Bill, ZS2ABZ is the latest "innovation". We hope that this AM short wave broadcast will open up our hobby to "Mr Public" and entice new recruits. So, next time somebody asks you about amateur radio, suggest to them that they take a listen on 3640 kHz between 8pm and 9pm Mondays.

For those of you looking forward to being in that rare "I've got time on my hands" mode during December, remember that the next PEARS VHF contest takes place in January. This may be the opportune time to over-haul your antennas and to get your station ship-shape.

Please make an extra-special effort to attend the club social on Saturday 22nd at the QTH of Ashley, ZR2AG – for those of you worried about missing the rugby world cup final, Ashley has assured us that a large screen TV will be made available for those wanting to watch. This will be the last get-together of the year, with many of us heading off for well-deserved Christmas vacations. The next meeting thereafter, will be two months later!

Finally, please remember that with the year-end holidays approaching, there will be an influx of visitors from far-and-wide, some of them will be fellow radio amateurs. Let's make them welcome on our repeaters. If you hear a call, answer it. Let's get radio-active and keep the frequencies busy.

73,

Rory, ZS2BL

Personal

I have just tendered my resignation from the SA Radio League. I have good reasons for this decision, but shall not elaborate on them here. This means that I will no longer be Provincial Director, Hamnet East Cape or even a Hamnet member.

I shall continue as Director, ECARES. As Hamnet East Cape is dead anyway, it will make no noticeable change to our disaster management operations, other than the heading of my monthly contribution in QSX. I regret that I will no longer be eligible to act as invigilator for the RAE or Morse examiner.

Holiday Season

The festive season is just around the corner, a time which will be anything but festive for many due to road accidents, etc. Hams in the East Cape usually do not get involved as in some other areas of South Africa.

However, when driving around, check for any emergency situations and determine whether help has been summoned or not. If not, give a call on one of the emergency channels to do so and pass on relevant information such as location of emergency and nature of emergency. Also any other information that will be of help to the emergency organisations.

Members are requested to monitor emergency channels whenever possible. Foremost emergency channels will be the two metre linked repeater system and town and Uitenhage repeaters. Maybe the latter two can be linked during December and early January.

Other channels that could be monitored are 52,950 MHz, 7070 kHz and 3695 kHz.

Six Metre–cum–four–metre Repeater

This repeater has been removed from the Vermaakskop site and will be installed at another site in the near future. We will keep you posted on progress.

Social

We were sorry to hear of the passing of the XYL of Neville ZS2NR. Our sympathies are with you, Neville.

Congratulations to Ashley ZR2AG and XYL Janet who, on Saturday 25th, became one grand-daughter richer.

I have great pleasure in welcoming Paul van der Merwe ZS2PV of Graaff Reinet, David Petzer ZR1DJP of Dana Bay and André le Roux ZS2AL of Despatch to ECARES.

73

**AI ZS2U,
Director,
ECARES**

HOW TO LOSE WEIGHT – AI tells us that the TV and news media constantly bombards us with adverts on weight reduction. The quickest way to lose weight, though, he says, is to get onto the highest mountain on the Equator and run Eastwards!

CW PRACTICE – AI reports that, on a frequency of 10 045 kHz, he has listened to a station sending five-letter groups at around 15 wpm from about 1700 onwards. Take a listen and see if it helps you. 📻

HUGE SOLAR BLAST

One of the most powerful solar flares ever recorded erupted on 28 October near giant sunspot 486. The explosion hurled a coronal mass ejection (CME) directly toward Earth.

Although we in South Africa are very unlikely to see them, bright auroras might appear when the fast-moving cloud sweeps past our planet. High-latitude sites such as New Zealand, Scandinavia,



The sun on 28 October. [Photo – me]

Alaska, Canada and US northern border states from Maine to Washington are favored, as usual, but auroras could descend to lower latitudes, too.

Not all CMEs trigger auroras. Several, for instance, have swept past Earth in

recent days without causing widespread displays. It all depends on the orientation of tangled magnetic fields within the electrified cloud of gas.

This CME is no exception. It might cause auroras, or it might not. When it left the sun, the cloud was travelling at 2125 kilometres per second, or almost 5 million miles per hour!

It all started on October 23 with a solar flare from approx. 8:10 am to about 9:00 am. The disappearance of signals on 40 metres was clearly noticeable, while on other bands the only audible stations were the powerful commercial ones that could just be heard.

By Tuesday 28th, more flairs had aggravated communication problems with that on the 28th being the second largest during cycle 23. It recorded a sun spot count of 257 and an A index of 15.

All this was eclipsed by yet another flare on the 30th that pushed the sun spot count just short of 300 and the A index to its highest possible level of 400 – the highest flare recorded in cycle 23.

There were some benefits – the 10-meter band was wide open and this assisted many operators in the CQ Worldwide phone contest on Sunday. 📻

NEW COMMITTEE MEMBER

We were pleased to learn that the Chairman, Rory Norton ZS2BL, quickly jumped in and got Barry Murrell ZR2DX onto the Committee.

Barry will, among other things, take charge of the website, keeping it up to date. We also know how involved he is in long-distance VHF communications, especially WSJT as well as its various derivatives.

Congratulations, Barry.

REPEATERS LOOKED AT

The Grahamstown repeater, which had been out of action for a few days, has been fixed and is back on the air. The transmitter showed a fault while Chris was up there and he brought it down for repairs. Trevor Scarr got it back in action on Friday 7th.

On the same day, Beavan and Cyril attended to the container at Lady's Slipper, repairing and painting it, and on Saturday Chris also went up. The 6 metre link proved faulty and he brought it down for an overhaul. It should be back on the air soon. 📻

**MINUTES OF THE MONTHLY MEETING OF THE PORT ELIZABETH
AMATEUR RADIO SOCIETY HELD AT THE St HUGH'S CHURCH HALL ,
NEWTON PARK, PORT ELIZABETH ON 16 OCTOBER 2003**

Welcome

Rory welcomed everyone who made the effort to attend the meeting.

Present and Apologies

As noted in the attendance register.

Acceptance of Previous Meeting's

Minutes

Proposed: ZR2RL, Seconded: ZS2ABZ

Matters Arising

ZS2AE could not recall being asked to investigate the feasibility of an AM transmission of the weekly bulletin but would in any case comment later on his findings.

Correspondence

In: Various newsletters from other clubs as well as information regarding JOTA received from ZS6AAW. The Chairman was contacted by Dave Emmett ZS2RH who is disposing of his station and requested that the club help with the sale thereof.

Out: Nil

Finance

The Treasurer reported on the Society's financial position which was accepted by the meeting.

Social

It was confirmed that the end of year Club social will be held at the QTH of ZR2AG on the 3rd Saturday of November i.e. 22nd. For catering purposes Ashley requested that it would be appreciated if he could be advised of the number of guests that would be attending.

Special Events

To date the scouting fraternity had not approached the Club in respect of this year's JOTA event and therefore there will not be an official Club JOTA station.

Repeaters

ZS2AE reported that the digipeater on the Grahamstown repeater site was once again operational thanks to Jim ZS2JM of East London and Chris ZS2AAW.

General

1. Award certificates for the Society's VHF/UHF Competition held during January, were presented to Garth ZS2HB, Andre ZS2ACP and Ken ZS2BWB.

2. Al ZS2U addressed the meeting with a proposal for a new Certificated Award that would be known as the South African Century Award. The idea is to promote more on air activity on the HF and VHF bands. Only grid square contacts made to any south of the Equator African countries from 1st January 2004 would be eligible. The meeting agreed to the idea.

3. Regarding the AM bulletin transmissions, Trevor ZS2AE had contacted Chris ZS2S of the Border Radio Club as to the success of their AM TXs. AM listenership could not be established by the Border Club but they felt the exercise worthwhile. The Society decided to transmit the Monday evening bulletin broadcast on 80 meters (3.640Mhz) AM on a trial basis. This TX would replace the 80 meter SSB TX on the same frequency.

4. Tony Allen queried whether the new Automated Electrical Meter reading system being introduced to the Metro, would cause interference to radio hams. Lionel ZS2DD said that he had raised the question with the Metro Electrical Engineer who said he did not think that there would be much interference. Viv ZS2VM mentioned that various other household appliances also cause radio interference.

5. The Chairman suggested the Society find ways in which more project construction work by members could be encouraged. Possibly Project Kits could be made up and sold.

The business part of the meeting closed at 20h40. Mike Bosch ZS2FM thereafter spoke to us about the various types of modulation during the years, starting with Morse code and ending with the modern digital types. 📍

Two *DIFFERENT* Worlds

from JOHAN TERBLANCHE, ZS11

In today's two worlds of electronics, analog and digital signals must coexist, often side-by-side, on the same circuit boards in our receivers, transceivers and data controllers...but yet the two varieties of signals are often mutually incompatible.

Steep-wave-fronted digital data signals are often the most troublesome culprits in the coexistence battle, impressing "digital noise" of various kinds onto the more "peace-loving" analog signals.

It's a problem that electronic circuit designers are continually fighting...and overcoming for the most part...and these are some of the proven techniques that they use.

Obviously, keeping digital and analog circuit components as far apart physically as possible is the first step, though not always entirely practical in today's crowded circuit board environment. But where it is possible, it's best to follow that axiom.

Keeping parallel-running circuit traces or harness wiring with digital pulses and analog signals away from each other is also important. "Noise induction" is often the cause of cross-over between those two worlds.

Shielded cabling can help, even for circuitry that doesn't normally call for shielded wires.

Multilayering of boards, with digital and analog signals one above the other, is another source of cross-induction problems; sometimes shielding in the form of aluminum sheet-stock between the two can help in this area.

Just make sure that any shield-planes are grounded only to their respective ground buses. This implies

that digital and analog grounds and ground planes should also be separated from each other on the PC board(s) and they should be as large as possible to provide the least amount of resistive voltage drop (since that's where problems can sometimes begin).

The use of separate positive power supply traces for the digital and analog portions of the circuit is also almost a must, making sure that all digital chips are powered only from the digital power bus and all analog chips or transistors are fed only from the analog feed point.

A common power supply for the digital and analog circuits is usually possible, but separate plus power and ground leads to each separate power bus on the board itself is considered to be good practice.

Using separate output regulator chips from a common power supply can also offer some noise crossover protection.

Working to avoid ground loops, where the resistive loss in the loop can act as a development point for crossover noise, should be taken into consideration.

If it's possible to ground coax cables on one end only, many potential problematical ground loops can be forestalled before they develop.


Lastly, and certainly not the least, generous numbers of by-pass capacitors, on both the analog...and particularly the digital...power buses,

can save countless hours of troubleshooting and head-scratching later on. By-pass capacitors are inexpensive, use them freely.

It's hoped that some of these tips may prove useful to both amateur digital operators/builders and circuit troubleshooters alike, since they can usually apply to both ends of the scale.

With digital modes becoming more popular by the day and the use of sometimes more than one computer in

the shack, you are bound to meet up with "digital noise" of various kinds. No! don't be deterred by this possibility. You will only learn more in the process.

It's often a mistake to assume that every precaution has been carefully observed in every manufactured item of ham equipment...there's often lots of room for improvement. 

Reference: "73 Magazine's "Ham-to-Ham" column by Dave Miller, NZ9E

FOR \$ALE ★ WANTED ★ SWOP

FOR SALE

* On behalf of inactive ham, one home-converted **commercial HF linear** amplifier. Unit covers 80-40-20-15-10 metres, uses 4CX1000 ceramic tube, with full metering (5 meters), internal power supplies, input attenuator, etc. Offers around R 5000 considered. Buyer to arrange/pay transport. Pictures on ZS2AB website: <http://home.icon.co.za/~zs2ab>. Offers may be e-mailed to zs2ab@icon.co.za or faxed to 041 365 1309.— Brian Weller, tel. 365 3935.

* **Kenwood** equipment: TS430s HF trcvr with uprated Motorola finals and service manual – R2 000; AT130 ATU – R300; PS430 PSU – R600; PS30 PSU – R600; MC60 desk mic – R300; HF low pass filter – R100; YG455C-1 500Hz CW filter – R200.

Other items: VHF tcvrs: Ranger – R500; Alinco DR119 45 W – R1 000; Millen GDO with coils & spare valve – R200; Daiwa CN620A X-needle SWR meter 1.8 - 150 MHz – R500. Contact Beavan ZS2RL, tel. 041 360 6968 / 083 445 7647.

* Two **CE power supplies:** 20/22 amps – R950; 30 amps – R1136 — Contact Johan van Zyl ZS2Z, Indwe, tel. 084 500 9051

WANTED

* **TR9000 or similar** SSB, CW and FM transceiver — Bill Hodges ZS2ABZ, tel. 581 2580

* **IC229H operating manual** – Dudley Forsyth, tel. 046 622 3985 Grahams-town.

SATELLITES, WSJT, DX ET AL

AMSAT OSCAR ECHO TO FLY IN MARCH

AMSAT-North America has announced that launch of the AMSAT OSCAR-E Amateur Radio microsat – the "Echo Project" – is scheduled for March 31, 2004. Earlier plans had called for a May 2004 launch. Richard Hambly, W2GPS, reported at AMSAT-NA's Annual Meeting and Space Symposium on October 18/19 that the Echo project has made significant progress in recent months.

A Russian Dnepr LV rocket – a converted SS-18 intercontinental ballistic missile – will carry the approximately 10-inch-square satellite into a low-Earth orbit from the Baikonur Cosmodrome in Kazakhstan.

The satellite will incorporate two UHF transmitters, each running from 1 to 8 W and capable of simultaneous operation, four VHF receivers and a multiband, multimode receiver capable of operation on the 10 meter, 2 meter, 70 cm and 23 cm bands. Echo will feature V/U, L/S and HF/U operational configurations, with V/S, L/U and HF/S also possible. FM voice and various digital modes—including PSK31 on a 10-meter SSB uplink--also will be available.

ARISS EQUIPMENT UPDATE

Amateur Radio on the International Space Station (ARISS) Chairman Frank Bauer, KA3HDO, outlined the delivery of the so-called Phase 2 ham equipment to the ISS. A Progress rocket delivered a Kenwood TM-D700E VHF/UHF transceiver to the ISS. The unit will mean a significant boost to the power output of the

ARISS initial station gear – from 5 W to 25 W.

A Yaesu FT-100D and SSTV equipment, along with some new headsets, will be taken to the ISS on Progress Flight 14P. That flight is scheduled for January. Additional ARISS gear will not go up until the space shuttle returns to flight in September 2004, however.

According to Bauer, current plans call for the Expedition 8 crew of Mike Foale, KB5UAC, and Alex Kaleri, U8MIR, to install the Phase 1 and 2 70-cm hardware after ground tests are complete. Previous crews already installed four Amateur Radio antennas to cover HF, 2 meters, 70 cm and microwave frequencies.

Bauer said the software for the D700 has been set up with five program modes: phone, crossband repeater use, APRS, packet and an emergency mode. APRS probably will be the default mode when a crew member is not actively using the ham station, he predicted.

Crew members typically use non-mission off-time to operate the ARISS gear. Bauer says he's been working with US and Russian space officials to have them dedicate a few additional hours each month for operation and maintenance.

EUROPA ISLAND DXPEDITION

A major DXpedition to Europa Island (FR/J) in the Mozambique channel is planned by a group of 8 French operators from November 22 to December 6 2003. Europa is high on the most wanted countries list and there has been very little activity from

there in recent years.

They will operate in the CQ WW CW DX Contest the last weekend in November and during the rest of the trip will be active on all modes and all bands including 50 MHz. As they are in MS range of all of South Africa with the possible exception of Capetown we have been in contact with them to urge WSJT operation.

The operators include F5JKK and TU2AX, both active and experienced 50 MHz operators.

RECENT DX ON AO-40

The AO-40 high orbit satellite continues to grow in popularity world-wide, with several recent DXpeditions having included satellite operation to their portfolios, as well as regular operators taking portable setups on holiday to rare locations.

The compact nature of 2.4Ghz and 1269Mhz equipment (several are now using 60cm dishes with dual feeds) make it viable for enthusiasts to activate rare DX sites. In recent months holidaying hams have activated such unusual spots as Guadeloupe, Anguilla, Mallorca and Madeira. DXpeditions have included

Thevenard Island, Mauretania, Mocha Island, Lesotho, Swaziland and Mali.

Over the last few weeks the following have also been activated: VK9C Cocos-Keeling Island, VK9W Christmas Island, 4W Timor – Leste, - FY French Guiana

Both the 4W and VK9W expeditions were easily worked in Port Elizabeth by Barry ZR2DX. The VK9C expedition suffered very hostile conditions during the one and only suitable pass for Port Elizabeth, having decided to terminate satellite operations early in favour of HF operation time.

The FY station was not up during South African passes, due to being on a business trip.

AO-40 provides an exciting opportunity to work distant countries right through the "doldrums" of the solar cycle! In addition to the traditional SSB and CW operations, experimentation with SSTV, RTTY, Hellschreiber and other digital modes is also taking place.

AO-40 has a downlink on the 13cm band (2.4GHz) with uplinks on 70cm (435Mhz) and 23cm (1269MHz). 📡

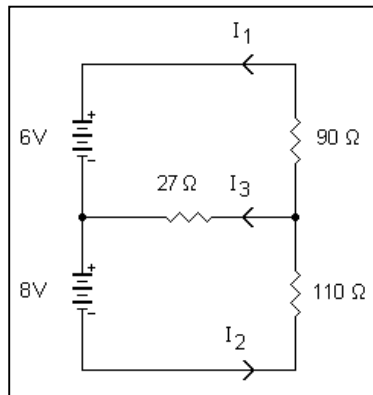
Ammeter Values

The resistor values for the ammeter in the October issue of QSX are as follows:

$R_1 = 1,67 \text{ ohm}$; $R_2 = 0,33 \text{ ohm}$;
 $R_3 = 0,22 \text{ ohm}$.

Now, here's nog een:

Determine the values of currents I_1 , I_2 and I_3 in the accompanying schematic. 📡



Pearstalk



(Some of these items from SARL bulletins and ZS4BS Dennis Green's HF Newsletter)

ZS2DL TAKES FIRST SINGLE BAND SCORE

Donovan van Loggerenberg ZS2DL shared Best Single Band Score on 40 metres in the SARL HF CW contest on 31 August. In the overall contest he took 11th place.

There was much less activity than during the Phone contest. The general feeling is that four hours is too long and that we must revert to three hours for the CW contest.

The contest committee received 15 logs and all single operator stations. There was activity from the ZS1, ZS2, ZS4, ZS5 and ZS6 call areas.

The top honours for the CW Contest go to Bernie ZS4TX of the Bloemfontein RAC with 200 points. In the second place is Allan ZS1AAX from the Cape Town Amateur Radio Centre, while Hans ZS6KR and Ed ZS6UT of the Pretoria Amateur Radio Club share the third spot with 162 points each.

The Best Score on a single band is shared by Donovan ZS2DL and Bernie ZS4TX, who made 78 points each on the 40-metre band.

Jan ZS4JAN notched up 52 points in the contest and took the First Year CW award. He wrote the RAE in May 2003 and did his morse test in the same period.

JOTA CAME AND WENT

October 18 and 19 were the dates for the Scouts Movement's 2003 Jamboree

on the Air. When you think of Scouts and a Jamboree, images of tents, the aromas from all those goodies cooking in a Dutch oven or a pot on the fire, and young men enjoying the outdoors might come to mind.

But with JOTA in our area, there were just no approaches from the Scouts, and we did not take part. Pity.

73 MAGAZINE SAYS 73 AND QRT

After completing 43 years of publication, 73 Amateur Radio Today magazine is calling it quits. Plans to publish a joint October/November issue fell through this week, and the September 2003 issue was the magazine's last. According to self-proclaimed "El Supremo and Founder" Wayne S. Green II, W2NSD, it was a simple matter of economics.

The first issue of 73 was published in October 1960. Since the summer of 1962, 73 has been based in Peterborough, New Hampshire, Green's home state. The magazine was a pioneer promoter of SSB, FM, solid-state, easy construction projects and the marriage of personal computing and Amateur Radio.

NEW KIDS HAM RADIO MAGAZINE

If the ham business is as bad as Wayne Green says, you would not know it says Larry Mahlberg AA0BY. As 73 sails into the sunset, Mahlberg has announced his own new ham radio

magazine targeting the younger generation.

According to Mahlberg, he and his crew are putting together a brand new monthly publication called "Hamtastic Kids" that will debut on 15 November and be available by subscription. To get it started, AA0BY is asking your help by submitting material for publication such as Amateur Radio poems, stories, puzzles and even ham radio recipes.

He is also looking for articles written by kids on such topics as Morse code, DXing, rag chewing, fox hunting, contesting and hamfests.

[Have we any kids out here with the required qualifications? – Ed.]

OCTOBER RAE RESULTS ANNOUNCED

The results of the Radio Amateurs' Examination held on 16th October have been released. In terms of our agreement with ICASA, all 66 successful students may immediately go on the air using the callsigns allocated.

A complete list of the successful candidates may be found on the SARL web site at www.sarl.org.za.

We extend our hearty congratulations to those who passed and hope they will not only find the hobby to their liking but will also take an active part in administering it, either at Club or League level.

NOMINATIONS FOR COUNCIL

The next annual General Meeting of the SARL will take place on the 2nd April 2004 and in preparation for the event, nominations and motions are called for.

There are currently 4 vacancies on Council. Nominations must contain the following:

1. Full names, callsign and address of nominee.
2. An amateur radio related CV of not

more than 200 words.

3. A signed declaration by the nominee that s/he will accept nomination and serve on the Council of the SARL if elected.
4. Each nomination must be signed by a proposer and seconder.
5. Only fully paid-up members (Rule 16.3) of the SARL may be nominated, propose and second a nomination.

The nominations must reach the Secretary by no later than 30 November 2003.

MOTIONS FOR THE AGM

Motions for submission and consideration at the Annual General Meeting of the SARL are invited from members.

Each motion must contain the following:

1. A concise description of the motion.
2. A motivation in support of the motion.
3. Each motion must be signed by a proposer and a seconder.

The nominations must reach the Secretary by no later than 16 December 2003.

SAATI EXTENDS ITS ACTIVITIES

SAATI is considering initiating a project to increase the utilisation of the 23 cm band. This will not be a chequebook project, but it will have to comprise the acquisition and dissemination of knowledge and skills and the development of inexpensive kits. *[There's our opportunity to get our young people involved with kits as suggested at our last meeting – Ed.]*

In reporting the project, SARLnews was of the opinion that this is a praiseworthy project. 23 cm seems to be readily available with modern handheld sets, but only in FM mode. The availability of 23 cm base sets for

other modes should make more satellite working possible.

If you are at all interested, please contact one of the following persons:

Louis Kruger, ZR6ABC, at 012 345 3275 or 082 336 2597 or send an e-mail to llk@mweb.co.za.

Fritz Sutherland, ZS6ASF, at 012 997 1114 or 083 304 0028 or send an e-mail to zs6asf@icon.co.za.

IARU FUND CONTRIBUTION

The Durban Amateur Radio Club have made a donation of R800,00 towards this fund. If you have a spare buck or two, please send your donation to SA Amateur Radio Development Trust, PO Box 90438, Garsfontein 0042 or transfer the money directly into the account at ABSA, account number 560 142 722, Branch code: 334 126.

SAARDT says all donors will *receive a certificate acknowledging their donation*. A list of donors will also be published on the SARL website.

ANNUAL REMEMBRANCE SERVICE

The annual Remembrance service for the amateurs who died while on duty for the RSA was broadcast on the SABC's RSG service at 10:45 on 9 November 2003. It was conducted by Rev. Lendes de Villiers, ZS6LLV, minister of the NG Kerk, Rietfontein-Noord.

SPECIAL EVENT STATION ZS1SALT

A group of Division 1 amateurs, all Boland Amateur Radio Club members, are going to operate a Special Event Station over the weekend 21 – 23 November 2003 from the Sutherland Observatory in the Northern Cape Province of South Africa. The purpose is to make amateurs aware of the largest telescope in the Southern Hemisphere.

The station will be identified by the

callsign ZS1SALT (acronym for South African Large Telescope) and will operate from Friday afternoon 21 November till Sunday noon on 23 November. All HF frequencies will be used and the station can be worked on phone, CW and digital modes.

A special QSL-card will be sent to all amateurs who have made contact. Only direct QSL cards will be accepted to: P O Box 273, STRAND. 7140.

For additional information on the project, please visit the website: www.salt.ac.za.

PRESIDENTS NET TO BE EXPANDED

The President's Net has reverted to 12h00 on Sundays, we gather. Initially only on 40 m from Gauteng, the President's Net will be gradually expanded to cover as much of the country as possible.


On 26 October they featured a link between the Western Cape and Gauteng, with President Graham Hartlett at the Cape Town end. The net will be linked in to some local repeaters as well, to allow more people to participate.

MORSE CODE IN ISRAEL

Andrew ZS1AN reports that the Israeli Ministry of Communications has announced a restructuring of license requirements and privileges. They have four licence classes, grades A, B, C and D. All except D require a Morse test.

The required speeds are 6 wpm for Grade C, 12 wpm for Grade B and 16 wpm for Grade A. Grade D is roughly equivalent to our ZR license, VHF access only.

Grade C is a novice license allowing CW (but not phone) on HF. Grades A and B include HF phone privileges.

[Seems they have not yet heard about the decisions at the recent ITU conference—Ed.] 

Condolences: **Colin Duff, ZS1CA**, passed away on Tuesday morning, 28 October. He was a past President of the SA Radio League and an Honorary Life Member of both the League and the Cape Town club.

He leaves two daughters, Dorothy and Helen, and a son, Stephen, as well as grandchildren and great grandchildren. We extend our heartfelt sympathy to them.

We are also sorry to report the passing of **Pierre Knobel, ZS2ABC**, of Aston Bay on 1 November following an angina attack. Our condolences go to his wife and family.

To those celebrating special days (23.11 to 20.12) we say

Have a Happy Day... 

... on your birthdays

30 Elize and Garth Laaks ZS2HB

November

24 Gary Robertson
26 Fred Strutt ZS2JS
28 Elizabeth Jasson ZR2EJ
28 Nellie van Zyl XYL of ZS2Z
28 André Crouse ZR2A
28 Ed Durrant ZS2DI

December

5 Clive Fife ZS2RT
6 Lionel Coombe-Davis ZS2DD
6 Phil Kauffmann-Sorensen ZS2NP
7 Dawid Petzer ZR1DJJP
7 Natasha Bruyns ZR2BCS
13 Kay Strutt XYL of ZS2JS
13 Paul van der Merwe ZS2PV
15 Derek Hislop ZR2DJH
18 Anne Olivier ZR2ABC
20 Marlene Gray, XYL of ZS2G
20 Marlene Ashwell ZR2ED
20 Donald Jacobs ZS2BW

... on your anniversaries

November

27 Maggie & Ian Moore ZR2IJ



December

8 Barry and Graham Griggs ZS2ABK
9 Dot and Vic Plumridge ZS2VP
10 June ZS2JJ and Mike Jones ZS2MJ
11 Ingrid and Dawid Petzer ZR1DJJP
11 Marlene ZR2ED and Colin Ashwell ZS2AO
12 Jane and Clive Fife ZS2RT
12 Santie and André Greyling ZS2ACG
15 Dawn and Derek Hislop ZR2DJH
16 Maureen ZS6AVD and Bert von Rahden ZS6LP
19 Lida and Dirk Ligthelm ZS2D

Congrats on your new daughter

Melanie and Bruce ZR2BS, – a granddaughter for Janet and Ashley ZR2AG. The little one is doing fine after a short stay in hospital.



White House: We hear that Anne Olivier ZR2ABC had a back operation and is recuperating at home; and Bill Hodges ZS2ABC has had a quick visit to hospital. We trust that you will both be OK by now. 📞

Your Society's Committee

Chairman, Awards.....	Rory Norton ZS2BL	585-9330	rory@commco.co.za
Vice Chair,	Chris Scarr ZS2AAW	368-1344	cvscarr@intekom.co.za
Secretary, Internet Website	Barry Murrell ZR2DX	083 717 9210	zr2dx@mnet.co.za
Treasurer; Assets Control	Clive Fife ZS2RT	367-3203	cfife@absamail.co.za
Repeaters, packet.....	Chris Scarr ZS2AAW	368-1344	cvscarr@intekom.co.za
Social, Refreshments,	Bill Hodges ZS2ABZ	581-2580	whodges@absamail.co.za
Special Events	Ewalt Bouwer ZS2EHB	933-3482	ewalt.b@freemail.absa.co.za
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QSO Editor (ex com).....	Garth Laaks ZS2HB	368-1101	glaaks@iafrica.com
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Technical Classes (ex com) ...	Al Akers ZS2U	360-2983	

PEARS' VHF/UHF & Other Services

REPEATERS

Town VHF	# 145,050/650	
Town UHF	# 431,050/438,650	Knysna
Cockscomb	145,000/600	Lady's Slipper.....
Colesberg	* 431,075/438,675	Noupoort.....
Cradock	* 145,050/650	Uitenhage.....
Grahamstown	* 145,150/750	

* These form the PEARS long-range 2-metre repeater system, also linked to which are East London 145,775 MHz, George 145,700, Danabaai 145,600, Stilbaai 145,750, Butterworth 145,725, King Williams Town 145,625 and Umtata (438,725 duplex). It is further extendable to Cape Town via the WCRWG system. # These can also be linked as required.

OTHER SERVICES

Packet Bulletin Board (ZSØNTP)	144,625
Packet Rose Switch ZSØGHT-3,046101 (144,675 in/out) or 046102 (UHF out to BBS).....	144,675
2m Beacon (ZS2VHF CW ID, FSK) (horizontally polarized, 160W ERP,)	144,415
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

Sunday Bulletins

PEARS bulletins are transmitted on Sundays immediately after the SARL 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 as well as Cradock and environs. PEARS' 7098 or 3640 kHz transceive facilities are also remotely linked as needed. In addition, the SARL's 40m operations on 7082 or 7066 kHz or Hamnet's 7070 kHz can be remotely patched to the 2m network, in receive-only mode or with full transceive capability for interactive events.

Date	Prepare and Read on 2m Repeater Link
16 Nov	ZS2AAW
23	ZS2RT
30	ZR2AG
7 Dec	ZS2ABZ
14	ZR2DX
21	ZS2BL

DIARY DATES
NOVEMBER
22 General mtg & Christmas Party
21-23 Special event stn ZS1SALT
30 Closing date: Nominations for Council
DECEMBER
4 Wrinkly Rave

* We like being your Society *