

April 2011



Scenes from the Innovation day event held on the afternoon of the 20th of February (see page 10).
Photos by George ZS2E.

This Newsletter is published by the Port Elizabeth Amateur Radio Society
P.O. Box 10402, LINTON GRANGE, 6015

Editing by Eric ZS2ECH

QSX-PE - Newsletter for the discerning Radio Ham

Download QSX-PE from www.zs2pe.co.za

PEARS Monthly Meeting

Tuesday, April the 19th, 7:30 pm
at the Italian Sporting Club, Charlo, 17 Harold Road.



From the Chairman:

Gone on holiday!!

Wrinklies Get-Together 7 April 2011

Well, the Wrinklies are going from strength to strength – figuratively speaking – if only the converse were true! We met on Thursday 3 March at our new venue (Cattle Baron, Sunridge Park), and some sort of new record has been set. At our previous venue – the one noted for so-so grub and even worse service – we were very pleased with ourselves if we managed to muster eight bodies at roll call. At our first meeting at the new venue (February) there we counted sixteen heads, and this month more tables had to be pressed into service – the attendance figure stood at eighteen. Saw some faces that we had not seen for a l-o-o-n-g time – Trevor ZS2AE and Julie ZR2EY, Al ZS2U and Joe ZS2W, Ted ZR2ES, and Barry ZS2H. Welcome back!

Next one is on Thursday 7 April, 12h00. Make a note in your diary – BCNU.

73 de ZS2RL

ECARES NEWS, APRIL 2011

Election of director, ECARES is actually overdue. I hereby call for nominations for this position for the period 1st July 2011 to 30th June 2014. Please make the effort to nominate someone. Nominations must reach me by not later than 31st April and must give the name of the nominee, his willingness to accept the post and names of the proposer and seconder.

73,
Al, ZS2U
Director, ECARES

PEARS Trophies

The PEARs AGM is coming up soon (21st of May), so if you have any of the PEARs trophies please pass them on to a committee member or bring them to the next club meeting (19th of April). This will enable the committee to get the engraving, etc done in time for the AGM. The committee is also looking for suggestions for recipients for the awards. Some of the awards available include: ZS2OB DX Trophy; ZS2AB Constructor's Trophy; Ham Spirit Trophy; Merit Cup; VHF Trophy; Achievement Awards; and Appreciation Awards. Send your nominations to Tony ZR2TX.

PEARS NATIONAL VHF/UHF CONTEST, 21-23 JAN. 2011

As usual the contest was well supported by the East Cape and Southern Cape amateurs, but poorly supported by the rest of South Africa. One wonders why. The weather put a damper on activities, field stations in particular. Nonetheless, there was plenty of activity.

ANALOG – NATIONAL WINNERS

Cat. 1: Base Station	6 m	4 m	2 m	70 cm
Winner	ZS2OC	ZS2OC	ZS2OC	ZS2OC
Runner-up	ZS2ACP	ZS2ECH	ZS2ACP	ZS2ACP

Cat. 2: Field Station	6 m	4 m	2 m	70 cm
Winner	ZS2CX	ZS2BO + ZS2VDL	ZS2BO + ZS2VDL	ZS2BO + ZS2VDL
Runner-up	ZS2VDL			

Cat. 4: Limited	6 m	4 m	2 m	70 cm
Winner	ZR2T	ZS2E	ZS2U	ZR2T
Runner-up	ZS2E	ZS2ABZ	ZS2ABZ	ZS2ABX

DIGITAL – NATIONAL WINNERS

Cat. 1: Base Station	6 m	2 m
Winner	ZS5Y	ZS2ACP
Runner-up	ZS6A	ZS5Y

DIGITAL - DIVISIONAL WINNERS - CAT. 1: BASE STATION

Division	6 m	2 m
1	ZS1LS	---
2	ZS2ACP	ZS2ACP
5	ZS5Y	ZS57
6	ZS6A	---

ANALOG - DIVISIONAL WINNERS - CAT. 1: BASE STATION

Division	6 m	4 m	2 m	70 cm
1	ZS1LS	---	ZS2I	ZS2I
2	ZS2OC	ZS2OC	ZS2OC	ZS2OC
5	ZS5Y	---	ZS5Y	---
6	ZS6A	---	---	---

ANALOG - DIVISIONAL WINNERS - CAT. 2: FIELD STATION

Division	6 m	4 m	2 m	70 cm
1	ZS2CX	ZS2CX	ZS2CX	ZS2CX
2	ZS2VDL	ZS2BO + ZS2VDL	ZS2BO + ZS2VDL	ZS2BO + ZS2VDL

ANALOG - LONGEST DISTANCES

Band	From	To	Distance - km
6 m	ZS1LS	ZS6BUN	1268
4 m	ZS2OC	ZS2CX	219
2 m	ZS2I	ZS2ABB, ZS2ABZ, ZS2U, ZS2E	415
70 cm	ZS2OC	ZS2ABZ	116

DIGITAL - LONGEST DISTANCES

Band	From	To	Distance - km
6 m	ZS5Y	V51PJ	1394
2 m	ZS2ACP	ZS4N	540

ANALOG SCORES

Call	6 m	4 m	2 m	70 cm	Cat.
ZS1LS	2606	---	---	---	2
ZS2ABZ	862	228	4976	320	4
ZS2ACP	2835	948	10134	1330	1
ZS2BO	---	1962	42768	3312	2
ZS2CX	10664	894	11824	1096	2
ZS2E	1635	672	2880	---	4
ZS2EC	---	---	1850	---	1
ZS2ECH	2097	1432	5664	1204	1
ZS2FM	1464	806	1878	---	1
ZS2I	1794	---	20560	744	1
ZS2JO	---	---	3123	432	1
ZS2OC	3735	2886	13910	1474	1
ZS2U	862	---	8490	---	4
ZS2VDL	5250	1962	42768	3312	2
ZR2T	5091	---	4406	697	4
ZS5Y	52	---	1040	---	1
ZS6A	774	---	---	---	1

DIGITAL SCORES

Call	6 m	4 m
ZS1LS	39160	---
ZS2ACP	57043	540
ZS5Y	86304	936
ZS6A	68072	---

PEARS wishes to thank the amateurs who submitted log sheets as well as all those who participated in the contest, and hoping that you have enjoyed it in spite of adverse conditions.

Ever Wondered How Much Data There Is In The World?

http://www.reviewexplorer.com/news/7422_ever-wondered-how-much-data-there-is-in-the-world/
Well now, scientists have measured it.....

Researchers from the University of Southern California have calculated the amount of human data that has been stored on everything from PCs, hard drives and mobile phones, to newspapers, books and hard copies of documents. The answer – up to 2007, at least – is an astonishing 296 exabytes. An exabyte is equal to a billion gigabytes and 296 of them is....well...head-hurting, to say the least. As the BBC report, if all that data was stored onto CDs, the resultant pile “would reach beyond the moon.” Even more impressive, is the revelation that the human race broadcast around two zettabytes in 2007 – a zettabyte is a thousand exabytes. How much of that data is worthwhile has not been revealed, but one suspects that amount consists mainly of the X-Factor and its affiliate shows. However, whilst the figures on show here are incredibly large, they are put in the shade by nature. Dr Martin Hilbert, who headed up the research, explained to the BBC that the numbers were “still minuscule compared to the order of magnitude at which nature handles information.” “The Human DNA in one single body can store around 300 times more information than we store in all our technological devices,” he said, adding; “However, while the natural world is mind-boggling in its size, it remains fairly constant. In contrast, the world’s technological information-processing capacities are growing at exponential rates.” With those rates of data storage supposedly doubling each year, the figures for 2011 will be even more impressive...

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The minutes to the last PEARs meeting held on the 15th of February were unavailable at the time of printing QSX-PE.

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MINUTES OF PEARS ANNUAL GENERAL MEETING 2010

15 May 2010 @ 14h30
QTH – Scout Hall, Fordyce Rd, Walmer

Welcome

The chairman Donovan ZS2DL welcomed all present. 43 persons, approximately 38 members, out of a total membership of 130. Quorum declared.

Silent Keys

The meeting stood in memory of ZS2JF. Prayers were conducted by Ashley, ZS2AG.

Present and apologies

As per register. Secretary apologized due to ill-health, and the Vice Chairman ZS2AAW undertook this task.

Minutes of the AGM 16 May 2009

These were circulated in the April 2010 edition of the monthly magazine QSX-PE.

Proposed: ZS2EC
Seconded: ZS2MR

Matters arising AGM 16 May 2009

No matters arising.

Treasurer's report

Clive ZS2RT explained the financial statement as circulated in the meeting. Some points of discussion arose, and explanations were given by Clive.

Proposed: ZS2AG
Seconded: ZS2OC

Chairman's report

Donovan ZS2DL presented his annual report. It was well received.

Proposed: ZS2E
Seconded: ZS2PG

Motion

No motions had been tabled for the meeting.

General

ZS2MS – ZS10WCS operations between 1-11 June 2010. Michael invited all interested parties to gather briefly after the AGM to arrange operator schedules for this special 2010 Soccer World Cup callsign.

Awards

Appreciation certificates:

- ZS2AG – For QSX editing, compilation, printing.
- ZS2ECH – for the excellent facilities organised at the NMMU for the SARL AGM.

- Jenny Brown – for catering services offered at the SARL AGM.

Achievement certificate:

- ZS2GK, ZS2ACP, for their record achievement in the 2m contact with FR5DN.

ZS2AB Constructors trophy – ZS2ACP.

Ham Spirit trophy – ZS2ABZ.

VHF Trophy – ZS2BK.

ZS2OB DX Trophy – ZS2DL.

Merit Cup – ZS2DL.

The Ham Radio Outlet "Radio Ham of the Year" was awarded to Glen ZS2GV.

Donovan presented a gift to Gus, ZS2MC for performing the auditor duties.

Election of chairman

Donovan remained in the chair as he was not available for re-election. Nominations for chairman were invited. The floor was silent. It was then proposed to proceed with the election of committee members first.

Election of committee

ZS2DL proposed that the remaining members of the committee still available for service be re-elected to office en bloc. This was seconded by ZS2VM. This resulted in the following members being re-instated:

- ZS2GV
- ZS2ABZ
- ZS2AAW
- ZS2RT
- ZR2BA

Further committee member nominations were invited from the floor.

PERSON	PROPOSED	SECONDED
ZR2TX	ZR2EY	ZS2BK
ZS2AG	ZS2PG	ZS2AAW

Nominations were ceased.

ZS2AG was then proposed as chairman by ZS2MR, seconded by ZS2E, and it was unanimously accepted.

Ashley took the chair. He thanked the meeting and the outgoing committee.

The meeting closed at 15h22.

The excellent weather was put to good use around the braai fires.

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AMATEUR RADIO LICENSE FEES TO REMAIN AT R27 FOR NOW

The Amateur Radio License fees will remain at R27 for this year and are only to increase from next year. ICASA will post license renewal accounts for the period 1 April 2011 to 31 March 2012 in the near future. If you have not yet paid your licence for the three month period January to March 2011, please do so now. The charge is R6.75. If you did not receive an account in the post, use the information printed on last year's license.

SBMS - SHORT BURST METEOR SCATTER

By Mike Bosch ZS2FM

Meteor Scatter was first discovered during World War II and since then radio amateurs have covered some very long distances on VHF during meteor showers. These showers occur when the Earth passes annually through major meteor streams such as Quadrantids, Lyrids, Eta Aquarids, Delta Aquarids, Perseids, Orionids, Leonids and Geminids.

The most effective band on meteor scatter is undoubtedly 6 metres (50 MHz), but for best results will require about 80 – 100 Watts into a horizontally polarized 4 element Yagi beam antenna preferably with a LNA. I developed a special calling technique, and would only call when I heard a strong meteor signal coming from the ZS6DN beacon in Irene. I have noticed that when the meteor signal peaks at S9 then it would last up to 1 minute or longer. This way I made many MS contacts on 50 MHz on both FM and SSB.

But there are many short meteor bursts daily coming from minor meteor streams. It was only since the advent of digital communications, such as FSK441, that it became common practice to use very short bursts for two-way contacts. Early this year I heard Pierre ZS6A (brother of Andre ZS2BK) calling on 50.200 MHz via meteor scatter. He gave his call sign twice, paused and then repeated it again and after that the meteor signal decayed. This gave me the idea that short bursts could also be used on SSB although it has never been done in South Africa before.

The principle is as follows: Station A in the north listens for a VHF beacon in the south, while station B in the south watches a beacon in the north. A meteor scatter signal will appear simultaneously at both beacons. For example, A calls first with his call sign "ZS6AAA, ZS6AAA" during the first burst. If B heard him he will reply during the second burst: "ZS6AAA, ZS2BBB" and A will answer: "ZS2BBB, ZS6AAA". By now both know that they have heard each other and that their signals were copied clearly and at reasonable strength, B replies: "ZS6AAA, Roger" and A could also repeat Roger to complete the QSO. They can continue with signal reports, locators etc, if they so desire.

Alex ZR2T and Etienne ZS6Y proved during the PEARS contest that SBMS works, when they contacted each other over a distance of more than 800 km on 50 MHz SSB via MS. It took them many bursts over a 45 minute period to get all the extra info across such as signal reports and locators.

When there are many meteor bursts per hour then you could make a MS contact in a very short time. If a meteor burst lasts for 20 seconds or longer then you could use the same formula and complete the QSO in one burst, but you have to be very snappy and wide awake.



Alex ZR2T at his field station during the PEARS VHF/UHF Contest.

#####

NEW YORK -- A public school teacher was arrested at John F. Kennedy International Airport as he attempted to board a flight. He was in possession of a ruler, a protractor, a set square, a slide rule and a calculator.

At a morning press conference, the U.S. Attorney General said he believes the man is a member of the notorious Al-gebra movement. He did not identify the man, who has been charged by the FBI with carrying weapons of math instruction.

Al-gebra is a problem for us, the Attorney General said. 'They desire solutions by means and extremes, and sometimes go off on tangents in search of absolute values. They use secret code names like 'X' and 'Y' and refer to themselves as 'unknowns', but we have determined they belong to a common denominator, namely the axis of the medieval, with coordinates in every country. As the Greek philanderer Isosceles used to say, 'There are 3 sides to every triangle.'

Alexander Road High School Radio Club

In 2009 Alexander Road High School set up an Amateur Radio Station and started enrolling pupils to write their Class B licences as an effort to spark up interest in HAM Radio for the youth. With lots of help from PEARS, Alex now has an official station and more than 15 licensed members with another three writing their exams this May. We are growing interest in the school and among the youth in general, with the club having grown quite a bit in the past few years. We meet at school once a week on a Thursday in summer and a Wednesday in winter. The unlicensed members are tutored by Mr. Cronje Oosthuizen (ZU2CO), the teacher in charge, while the licensed members talk on the radio and discuss possible future activities or how to recruit new members. We would like to play a more active part in PEARS this year, and to get youth outside of our school interested and involved. If anybody would like to get involved or find out more about the Alex Radio Club, or would like to come give a session or class to the licensed members about, for example, building antennas, please email alexhamradioclub[at]gmail.com

Keegan ZU2MC, Committee member of the Alexander Road High School Radio Club

Club Subscriptions are now due

It is that time of the year again and club subscriptions are now due. R100 per member. Spouses pay R30 and students R30. Wifi fees are R150 per month.

The Club's banking details are: Nedbank Savings; Account No: 221 252 7594; Branch Code 121217.

When making a bank deposit **please use your call sign as a reference.**

Using a dip meter

By Viv Moore ZS2VM

(This is a reprint of an article published in QSX in February 2001)

A dip meter is an extremely useful multifunction instrument in the radio shack. It is used mainly for determining the resonant frequency of de-energized RF circuits or as a non-oscillating absorption frequency meter. It has many practical applications, including use as an RF signal generator.

The frequency dial is adequate for most checks, with a typical accuracy within 10%. Used in combination with a receiver, one can get to a more accurate frequency.

The circuitry is usually very simple, consisting of an oscillator and sometimes an amplifier to drive the meter when checking de-energized circuits. The oscillator coil is mounted externally so that it may be brought close to the circuit to be tested.

When used as an absorption frequency meter to check *live* circuits, the meter rises instead of dipping when the frequencies coincide. On some units the oscillator is disabled in this mode.

Coupling the instrument

The coil of the instrument should be brought close to the inductor of the circuit to be tested as depicted in Figures 1a and b. Figure 1c shows the *wrong* way to attempt the coupling because the fields would be at right angles to one another.

The dial on the unit should be rotated until an indication occurs on the meter (you may need to try more than one of your meter's plug-in coils, depending on the frequency involved and the range of each coil).

While the coil of the dip meter should be held close enough to the unknown circuit to obtain a useful indication, the further they are from one another the more accurate the frequency reading will be.

On the odd occasion one may not be able to place the meter physically close to the circuit under test, in which case one can use a link consisting of a few turns of wire at each end of a length of twisted cable (see Figure 2a).

To test circuits using toroidal inductors one will find that a dip cannot be obtained because of the enclosed field in the toroid. One will then have to couple to the inductor by means of a link as shown in Figure 2b.

An antenna is also a tuned circuit and its resonant frequency can be checked by temporarily connecting a link coil across the feedline and bringing the dip meter close to the link (Figure 2c).

Such a link coil, consisting of two or three turns of wire terminated on crocodile clips, should be made up and, like the others described in this article, kept as permanent accessories for other uses as well.

Using as a signal source

Sometimes, when troubleshooting a receiver, you will want to inject a signal into an RF circuit, for example to serve as a beat frequency oscillator (BFO).

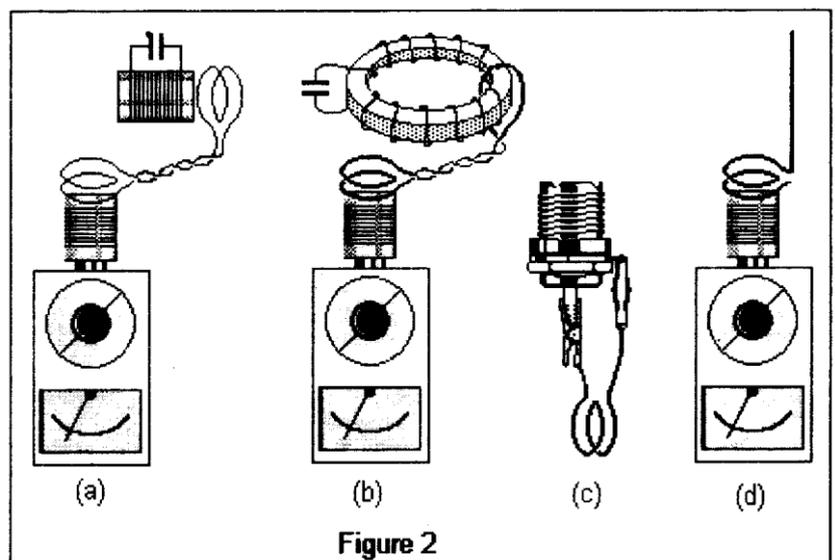
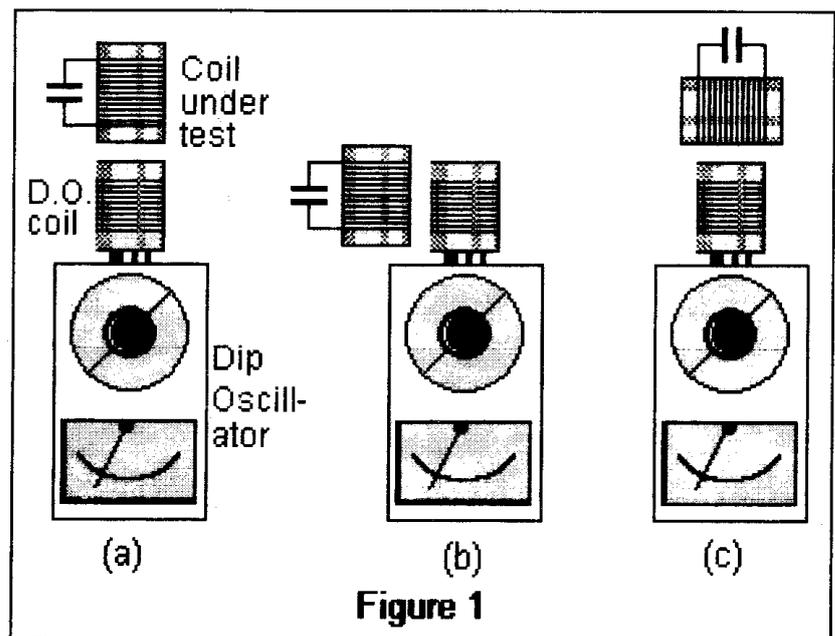
It is not always convenient to poke around inside the receiver with the whole dip meter in order to bring the coil close to the area of injection.

However, one can lead the signal into the area with a short length of coax terminated in a coil consisting of a few turns of wire. The link coil is placed near — or even over — the coil of the dip meter.

The free end of the coax can be held near the injection point without actually touching the circuit. If that does not provide enough signal input, the coax can be coupled to the circuit via a small capacitor of about 10 to 100 pF.

Absorption Wavemeter

The dip oscillator's tuned circuit and amplifier function as an RF detecting circuit



and the unit can be used as an absorption wavemeter to check a live circuit. The oscillator is typically switched off when used in the wave-meter mode, but this is not essential.

By coupling a short antenna via a few turns of wire around the coil of the dip meter it can be used as a field strength meter (Figure 2d). Placed a little distance away from an antenna adjustment to the transmitter and/or antenna will cause the meter reading to rise or fall.

Metal Detection

The dip oscillator will be affected when its coil is swept closely across a metal object of any kind. If the signal from the oscillator is monitored on a receiver in the CW mode, any sudden change in the tone from the loudspeaker will be audible. The oscillator can therefore be used to find cables, water pipes, metal enclosures in walls etc.

Determining Value of Capacitors or Inductors

To determine the value of a capacitor, one can connect it across an inductor of known value and check the resultant parallel tuned circuit with the dip oscillator, noting the frequency on the dial or on a separate receiver. To calculate the value of the capacitor, use the formula:

$$C(\text{pF}) = \frac{25330}{L(\mu\text{H}) \times f^2(\text{MHz})}$$

Similarly, to determine the value of an inductor it should be connected across a capacitor of known value and the frequency noted. The formula for calculating the value of the inductor is:

$$L(\mu\text{H}) = \frac{25330}{C(\text{pF}) \times f^2(\text{MHz})}$$

A suitable 5 μH inductor to use as a standard accessory can be made up on a length of 16 mm o.d. white plastic water pipe. Wind a coil of 20 turns of 24 gauge wire spaced over 15 mm. Secure the ends of the coil to the pipe suitably and terminate the wires on a pair of crocodile clips, to which the capacitor under test can be connected.

Crystal Frequencies

To determine the fundamental frequency of a crystal, clip the link mentioned under *coupling the instrument* to the crystal, bring the coil of the link close to the dip oscillator and tune for an indication on the meter.

Conclusion

There are many other uses to which your dip oscillator can be put, limited largely by your own ingenuity: traps, quarter-wave coaxial line lengths, harmonics, spurious oscillations, standing waves etc. to name but a few.

In the equations above: $25330 = \frac{10^6}{4 \times \pi^2}$

Ed.

Delayed Interior Car Lamp, by G8MNY

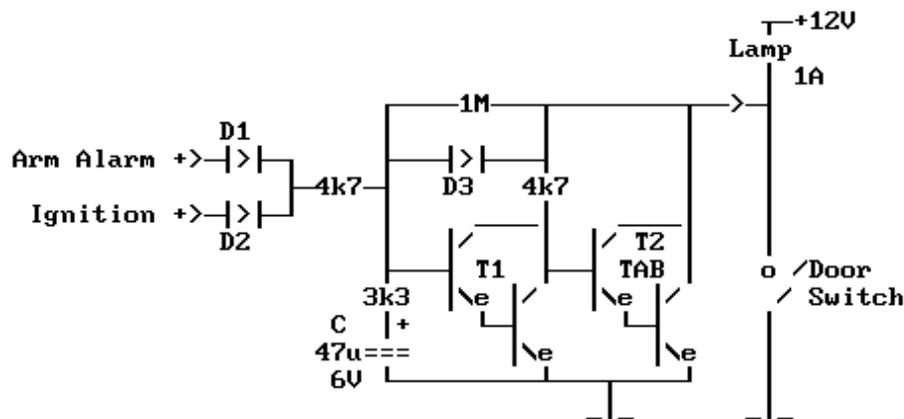
Here is a circuit originally based on a Maplin kit.

WHAT IT DOES: It holds on the interior light for 20-30 seconds after opening the door, but immediately turns it off if the Ignition Switch is turned on, or the car Alarm is armed.

HOW IT WORKS: C is normally charged up to 1.2 V & T1 Darlington held on by the current through the 1M, T2 power Darlington (or VMOS FET) is held off. Opening the door the lamp lights & C is discharged

through D3 turning off T1. Now on closing the door T2 is held mostly on (1.5 V drop) through the 4k7 until the C is charged up to 1.2 V via the 1M. At C = 1.2 V T1 is again turned on & T2 turned off. The addition of the 3k3 makes this a snappier action keeping T2's heating down. If either the Ignition or Alarm circuits are powered while C is less than 1.2 V it will very quickly charge up & the light extinguished.

LOCATION: This circuit does not need power itself, only an earth, so the location is not too critical. If switched power lines like the Ignition & Alarm are at risk with this addition, consider putting a 4k7 in series with each wire so that accidental shorts to earth can't harm anything. Note this circuit draws about 2.2 mA all the time, & although a very small current it may add to other loads on a parked car battery!



YOUTH ELECTRONICS

PCB Boards, Tin plated

Contact: Basie ZR2BA

Cell: 0828882118

basiedp@gmail.com

Sunday Bulletins

PEARS bulletins are transmitted on Sundays immediately after the SARL English transmission, i.e. at about 08:30 on 7098 kHz as well as the 2 metre linked network that provides from Butterworth to George and up to the Free State and their environs. PEARS 7098 or 3640 kHz transceiver facilities are also remotely linked as needed. In addition, the SARL's 40 m operations on 7082 or 7066 kHz or Hamnet's 7070 kHz can be remotely patched to the 2 m network in receive only mode or with full transceive capability for interactive events.



Bulletin Roster

27 th March	Basie	ZR2BA
3 rd April	Tony	ZR2TX
10 th April	Chris	ZS2AAW
17 th April	Glen	ZS2GV
24 th April	Clive	ZS2RT
1 st May	Bill	ZS2ABZ

The bulletin readers are always looking for something to announce. If you have something to contribute, please forward it to the next reader.

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CONGRATULATIONS

BIRTHDAYS – April

01 Rosalee van Loggerenberg ZS2DN, XYL of Donovan ZS2DL
 01 Joan Jackson, XYL of Barry ZS2H
 02 Jarrad Brown ZR2JAB
 03 Theunis Potgieter ZS2EC
 04 Barbara Hickson, XYL of Bill ZS2BIL
 05 Re Martin, XYL of Saney ZR1S
 05 Willie Bosch ZU2W
 05 Mike Jones ZS2MJ
 10 Neels du Plessis ZS2ND
 11 Ruth Stasiak ZR2RS
 13 Lizette Oelofse, XYL of Nico ZS4N
 13 Graham Butcher ZS2GIB
 16 Hans Rohwer ZR2AX
 18 Tony Marran ZR2AI
 20 Trevor Scarr ZS2AE
 22 Marge van Loggerenberg, XYL of Jim ZS2LR
 22 Allan Bowles ZS2BO

23 Werner Fourie
 24 Deidre Allen, XYL of Tony ZR2TX
 28 Christopher Scarr ZS2AAW
 30 Louis Jordaan ZR2J

ANNIVERSARIES – April

03 Anne and Graham Butcher ZS2GIB
 18 Roslyn and Andrew Prideaux ZS2PA
 04 Vanessa and Glen Cummings ZS2GV
 06 Cathy and Wolf Gerstle ZS2WG
 08 Colette ZS2CR and Mitch Rundle ZS2DK
 09 Charmaine and Otto Van Rooyen ZS2Q
 17 Lisa and Grant Currin ZR2GEC
 22 Billie and Trefor Lloyd ZR2MCL
 23 Patricia ZR2PTY and Neels Kruger

If you are a member and your birthday or anniversary details are omitted or incorrect, please notify Clive ZS2RT (or any committee member) to update our records.

INNOVATION DAY

We could not have wished for better weather for this event which took place on Sunday afternoon, 20th February. About 25 people attended, including some members from the Mountain Club. Some items on display were several unusual antennas and a homebrew antenna analyser for UHF by Ken ZS2OC, a portable repeater for emergency use by Andrew ZS2G, a solar panel by Al ZS2U and various PIC projects by Allan ZS2R.

During the course of the afternoon we had a pass of the FM satellite Oscar 51 and André ZS2BK made contact with Bryan ZS5SB and Pierre ZS6A. He used 5 W and a quarter wave vertical for the uplink on 145.920 MHz and received on 435.3 MHz with a 6 element yagi. The yagi was manoeuvred by Gerrit, a friend and prospective ham, in order to get best reception.

After these activities, Martin ZS2MR and Ewalt ZS2EHB, got the braai fires going and we had a braai and social get together. Consensus was that it was an enjoyable afternoon and a learning experience for virtually all. Thanks go to all those who, in one way or another, assisted in making this a successful occasion.

Al ZS2U

DIARY OF EVENTS	
26-27 March	CQ World-Wide WPX Contest: SSB
30 March	SARL 80 m Club Championship: digital
2 April	3rd SARL RaDAR Contest SA AMSAT Space Symposium at Vodaworld
7 April	Wrinklies at the Cattle Baron 80 m QSO Party
10 April	2011 Spec-Savers Ironman Port Elizabeth
15-16 April	SARL National Convention 2011 at Vaal University for Technology
16 April	SARL Autumn QRP Contest
19 April	PEARS monthly meeting at the Italian Club
1 May	ZS3 Sprint
7-8 May	Antique Wireless Association Valve QSO Party
21 May	PEARS AGM at the Italian Club

Your Societies Committee for 2010/2011

Chairman & QSX Editor	Ashley Goosen ZS2AG	082-3726696	ashleygoosen[at]yahoo.com
Vice-Chairman/Technical	Chris Scarr ZS2AAW	041-3681344	christopher[at]peham.co.za
Secretary	Glen Cummings ZS2GV	082-4112743	glen[at]peham.co.za
Treasurer	Clive Fife ZS2RT	041-3673203	clive[at]peham.co.za
Club Social Activities	Bill Hodges ZS2ABZ	041-5812580	zs2abz[at]isat.co.za
Public Relations, Youth Dev.	Basie Du Plessis ZR2BA	082-8882118	basiedp[at]gmail.com
Contest and Awards Manager, Convener of VHF Contest Committee	Tony Allen ZR2TX	082-9562920	tony[at]zr2tx.co.za
Website Manager	Jarrad Brown ZR2JAB		webmaster[at]zs2pe.co.za
Co-Opted sub-committees			
RAE Examination Admin.	Donovan ZS2DL	082-8524885	zs2dl[at]hamradio.co.za
Assessors	Rory ZS2BL	072-0268909	rory[at]commco.co.za
	Chris ZS2AAW	041-3681344	christopher[at]peham.co.za
	Donovan ZS2DL	082-8524885	zs2dl[at]hamradio.co.za
	Bill ZS2ABZ	041-5812580	zs2abz[at]isat.co.za
Contest Committee	Tony Allen ZR2TX	082-9562920	contest[at]peham.co.za
	Al Akers ZS2U	041-3602983	
	Mike Bosch ZS2FM	041-5812425	
QSX Distribution	Theunis Potgieter ZS2EC	041-4515209	zs2ec[at]vodamail.co.za

Replace [at] with @when you want to send an email.

PEARS' VHF/UHF, Packet & Other Services

Local Repeaters:

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

Town VHF	Town UHF	Uitenhage	Tygerhoek	Longmore
145.050/650	431.050/438.650	145.075/675	145.000/600	145.025/625

Cape Linked System Repeaters:

These form the PEARS long-range 2-metre repeater system, in conjunction with the Border, Southern Cape and WCRWG systems.

Lady's Slipper	Grahamstown	Cradock	Noupoort
145.100/700	145.150/750	145.050/650	438.750 / 438.675
Colesberg	Kareedouw	Plett	Brenton
431.075/438.675	145.127/725	145.175/775	145.075/675

Packet network:

ZS0NTP-2 Packet Node	ZS0NTP BBS	ZS0GHT-2 Packet Node	ZS0CDK-2 Digi
Lady's Slipper 10.151 LSB 300bd APRS 144.800 1200bd 438.275 1200bd (FWD) 434.875 9600bd	Lady's Slipper On all node frequencies	Grahamstown 144.800 1200bd 434.800 1200bd (FWD) 439.850 9600bd	Cradock 144.800 1200bd
434.800 1200bd APRS Cape Linked System	ZS0KDJ APRS Digi	ZS0KDB APRS Digi	ZS2ABZ-4
	Mount Road 434.800 1200bd	Longmore 434.800 1200bd	WMR918 WX Station 144.625 1200bd

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.**

See the PEARS web site at www.zs2pe.co.za for further details and network diagrams.

TO:

**IF NOT DELIVERED
RETURN TO**

Port Elizabeth Amateur Radio Society,
PO Box 10402
LINTON GRANGE
6015

AMATEUR RADIO is the hobby for RADIO EXPERIMENTERS
and those who like to fiddle with ELECTRONICS,
COMMUNICATIONS or COMPUTERS