



QSX PE



This Newsletter is published by the Port Elizabeth Amateur Radio Society
Edited by Rory ZS2BL and Barry ZS2EZ
Composing and Printing by Ashley ZR2AG

Website - www.qsl.net/zs2pe

P.O. Box 10402
LINTON GRANGE
6015

July 2006

QSX-PE - Newsletter for the discerning Radio Ham

PEARS' MONTHLY MEETING

The monthly general meeting of the Port Elizabeth Amateur Radio Society, will be held on Thursday, 20th July 2006, at the St Hugh's Church Hall, Newton Park, starting at 20:00 (8pm).

The Talk at the next meeting will be a briefing on the Volkswagen rally by Chris Scarr ZS2AAW, and a brief talk on Morse Code by Garth ZS2HB and Al ZS2U

Wrinkly Ravers

The next get-together of the Wrinklies will take place on Thursday, 3rd August 2006 at the usual venue, Barneys, Circular Drive, Lorraine.

Come and enjoy the company of the "wrinkled ravers" who gather at this popular venue to enjoy a good chat as well as enjoy some good food.

See you there!

HAM RADIO OUTLET—SOUTH AFRICA cc

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HAMNET / ECARES news

Hamnet Matters: - A Hamnet conference was held on 24th June in Johannesburg. Francois ZS6BUU reports reasonable attendance and interesting contributions by those present. There may be a name change but no breakaway from the SARL. The meeting was productive and a full report and the minutes will be sent out during the next few days. A teleconference is planned for two weeks from today.

Electric Power Problem: - This inconvenience has been plaguing the Western Cape for some time now. Several HAMS there have been caught without emergency power sources. At least some form of battery power is essential even if it only powers some low dedicated emergency operator.

Congratulations: - We congratulate Tim ZS2X on being awarded the Hamnet Shield for the ensuing period. Members will recall Tim's considerable effort during the period of widespread fires late last year.

We welcome OM Donovan ZS2DL to the ECARES ranks and look forward to a long association to mutual benefit.

73's

Ken ZS2OC

Little hut signals a centenary

(article taken from online edition of Geelong Advertiser)

ONE hundred years ago the attention of all Australia turned to Queenscliff. In a small hut, on what would become Springs Beach's football oval, history would be made. Prime Minister Alfred Deakin and the Governor-General, Lord Northcote, were among 250 dignitaries and guests in town to witness it. It was the day the country's first overseas radio transmissions were sent.

The messages, relayed from Queenscliff to East Devonport, Tasmania, were in morse code. The first read: "The Commonwealth greets Tasmania and rejoices at the establishment of new means for knitting people of Australian more closely together".

A re-enactment on July 12th celebrated the anniversary, with Victorian Governor Professor David de Krester communicating with his Tasmanian counterpart, William Cox.

The temporary telegraph station, set up in 1906 by Marconi Wireless Telegraph Co, has been recreated on its original site and an exhibition of radio artefacts from the era was on display at Queenscliff's Maritime Museum. Italian engineer Guglielmo Marconi patented the first wireless telegraphy in 1896.

1906 "telegraphy experiment" was a bid by his company to encourage the Australian Government to establish a permanent link between Tasmania and the mainland. But history writer and amateur radio enthusiast Barry Abley said research revealed Governor-General Northcote had another motivation for championing the cause.

"It was to do with the (Britain Government's) desire to have coastal radio stations around Australia to talk to ships and exchange naval intelligence even though it was not indicated at the time," Mr Abley said. John McKenna will re-enact the first overseas radio message.



The S.A. Radio League, as also many amateurs, feel that we need to get the youth interested in amateur radio. we have tried this in Port Elizabeth over a number of years, but have had very little success. It is difficult to determine the cause or causes for this. Maybe our approach is at fault. For instance, we have had a station or two operational for several JOTA,s but not a single amateur as a result. this could be because we have the JOTA, but no follow-up afterwards. On the other hand, as the proverb goes, you can "lead a horse to the water, but you can't make him drink". I do not see why we should necessarily concentrate on the youth. We should try to get anyone interested, regardless of age.

Have any of our members ideas on the subject, and better still, are prepared to implement them! All such help would be appreciated.

73s,

Al.

ZS2U

Free IOTA Contest logger available

A free logging program for the Islands on the Air contest is available from Paul O'Kane, EI5DI. His program, SDI is the only contest logger dedicated to the IOTA event. It also comes recommended in the IOTA Contest rules, for single-operator entrants. SDI is optimized for IOTA.

Among other features, it shows the multiplier status of all relevant island groups by country and call area as the operator enters call sign prefixes.

It also will autofill the IOTA reference when the call sign appears to correspond to that island group. The program can reference a call sign database of known island operations, extracting the island reference and filling it in automatically. It includes provisions for CW keying. SDI runs under Windows and is intended for single-operator unassisted entries.

User assistance is available via e-mail. O'Kane offers other free SD logging software on his Web site at www.ei5di.com

Minutes of PEARS monthly meeting on 15th June

Held at the St. Hugh's Church Hall, Newton Park, P.E.

Welcome: The Chairman welcomed all in attendance (approx 20 members), with a special welcome to Tiaan, ZS2Y, who had recently received his call-sign.

Present and Apologies: As per the attendance register. Apologies received from ZS2EHB, ZS2AAW, ZS2GV, ZS2AE, ZS2HPD, ZR2CB

Acceptance of previous meeting minutes:

Carried over to next meeting, as with the secretary not present, we were unable to view them.

Matters Arising: None

Correspondence: In: Bank statements and subs.

Out: QSX being mailed – stamps purchased

Finance: All under control. A total of approx. R1035 was paid out over most recent period.

General:

- 1) Proper list of members required – Clive to give Ashley a list of “paid up” members.
- 2) Anyone who can assist with an “address label” program to please contact Ashley
- 3) Barry to place most recent issue of QSX on the website.
- 4) Donovan, ZS2DL requested and received approval for displaying of amateur radio transceivers and related products at monthly meetings. This was welcomed as it would give many newcomers a “feel” for what modern equipment looked and felt like.
- 5) Potential new club facility being investigated by Al and Ken at SANDF premises. Looks positive, and facilities could be ready well before the end of this year.

The business of the meeting was concluded at 20h40. Tea, coffee and biscuits enjoyed, followed by an interesting talk on emergency communications – presented by Ken, ZS2OC

Al's Quiz

A car rides up a hill for 1 kilometre at an average speed of 30 km/hour, then down the hill for 1 kilometre at an average speed of 60 km/hour. what is its average speed over the whole distance of 2 kilometres?

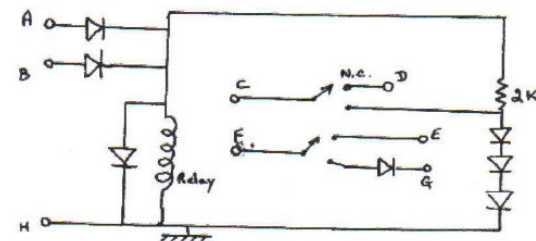
Variable Power Modification for FT-707

Author: Ken G8BEQ

Submitted for publication by Andre ZS2ACP

Parts list:

- 7 off silicon diodes 1N1418 or equivalent
- 1 relay, 2 pole changeover. 6 or 8 volt coil.
- 1 2k2 Resistor 1/4 watt.
- 1 Piece of stripboard
- Wire for connecting up.



The circuit can be assembled on a small piece of stripboard, and then wrapped in insulation tape and fitted to any suitable space in the transceiver, don't forget to connect leads before wrapping in tape.

"A" to pin 7 J3002 AF unit. (leave existing wire)

"B" to pin 6 J3002 AF unit. (leave existing wire)

Cut yellow wire to pin 4 J3002 AF unit, leave approx 2 cms of tail on plug. Take yellow wire to "C". Cut blue wire from pin 7 J3007 leaving approx 2 cms tail. Take blue wire to "F".

Connect wire from "D" to tail on pin 4 J3002.

Connect wire from "E" to tail on pin 7 J3007.

Connect wire from "G" to pin 5 J3003 on IF unit. Leave existing wire.

Connect wire from "H" to chassis or ground on AF unit.

Description of mod..

The connections to the carrier control are routed through the relay, when not energised they are connected as before and the control operates as normal on CW mode.

When USB or LSB is selected the relay is energised and connects a small voltage, derived from the 3 series diodes, to the top end of the carrier pot (control). The wiper of the pot is taken to the Rev ALC line on the IF unit and will allow the pot to reduce power to the required level.

the carrier control adjusts CW power level as before but now varies power, a few watts to full power, on all modes.



Service to Vision Impaired Amateurs

Antoinette, ZS6D reads to blind persons on 7.085 MHz most days starting at 15:30, band conditions permitting. If you are incapacitated and want some book or other article read for you, please feel free to contact Antoinette on 083 401 4001. [from SARL Forum]

40 Metres in the Netherlands

Hans, PB2T (VERON IARU liaison officer) reports that effective 10 June amateur radio operators in the Netherlands are allowed to use the band 7100 - 7200 kHz on a secondary basis with a maximum power of 250 watts.

Morse Heard On the Bands

So what, you say. I hear Morse all the time. We refer, however, to Diana MORSE, KB3NNP, 5th cousin 5 generations removed of Samuel FB Morse inventor of the code which bears his name.

Diana became interested in tracing her family roots, and made a casual enquiry to the East Pennsylvania QRP Club about CW's continued role in today's high-tech radio world. Well, one thing lead to another, and she is now licensed as KB3NNP.

Her first QSO as a ham was a CW (of course!) contact with Ron, WB3AAL on the 40-metre novice band, on Sunday 4 June. If you hear Diana on the bands, be sure to give her a cheery "What Hath God Wrought?" (First phrase ever sent by Morse)

Boland Amateur Radio Club 40-Metre Contest

Aim. This is a fun activity to promote contacts on 40-metres between radio amateurs in Southern African countries.

Date and Time. The forth Sunday of July from 13:00 to 16:00 UTC. 23 July from 15:00 to 18:00 CAT.

Exchange. The exchange is call sign, RS and postal code.

Frequency. It is a phone only contest on the 40-metre band

Antennas and Power. Only wire antennas and a maximum output of 100 watt may be used.

Scoring. Contacts with stations in South Africa or in neighbouring countries are worth 1 point.

The Boland ARC club station, ZS1BAK, will be activated and a contact with this station counts 5 points, only one contact is allowed.

Log Sheets. Log sheets must be submitted within 14 days after the contest and can be sent by e-mail to zs1bak@mailbox.co.za or by snail mail to BARK, PO Box 2105, Dennesig, 7601.

Awards. A certificate will be awarded to the 1st, 2nd and 3rd place in the competition, as well as the highest score in each division and neighbouring country. The three BARC members with the highest scores will also receive certificates.

AO-51 July schedule modified to include L-Band operations

From July 17 to July 24 , AO-51 have a L/U Uplink 1268.700 mHz FM FM repeater on the 435.150 downlink.	July 24 to July 31
Then on July 24 , AO-51 will return to the normal V/U digital and voice configuration.	FM Repeater
The 435.300 V/U repeater will remain operational all month, and whenever a digital mode is on, the digipeater will be enabled.	Downlink 435.300 mHz FM
	Uplink 145.920 mHz FM with 67 hz Tone
	Digital / PBBS
July 17 to July 24	Downlink 435.150 mHz FM 9k6 Digital
FM Repeater	Uplink 145.860 mHz FM 9k6 Digital
Downlink 435.300 mHz FM	PBBS Active
Uplink 145.920 mHz FM with 67 hz Tone	Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)
FM Repeater	
Downlink 435.150 mHz FM	

PLEASE UPDATE YOUR DETAILS WITH PEARS

Dear PEARS member, so as to be able to give you an efficient service with regard to QSX, I ask that you update the following information so that our database can be brought up to date. You may either email this information through to Rory Norton rory@commco.co.za, or Barry Murrell zs2ez@axxess.co.za or Chris Scarr cvscarr@intekom.co.za as well as to Ashley Goosen ashleygoosen@xsinet.co.za

We need your:

Current Call Sign: _____ Old Call Sign: _____

Name: _____ DOB: _____

XYL: _____ DOB: _____

PostalAddress: _____

Postal Code: _____

Telephone #: _____ Cell phone #: _____

Please indicate your preference with regard to the receiving of QSX.

For some time now QSX has been available in PDF format on email, would you like to receive QSX by email? Please delete that which is not applicable.

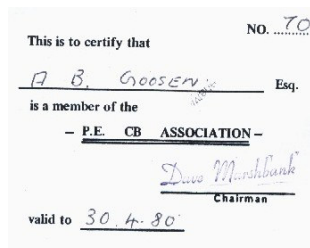
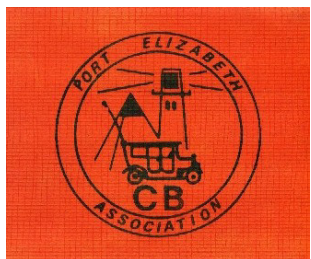
YES or NO.

Frequencies for the 13 Amateur CubeSats due for launch in July

JE9PEL, has provided this table of all the Amateur CubeSats scheduled for launch with their frequencies and callsigns. As you can see there's going to be lots of signals to listen out for. Of particular note is Mea Huaka'i Voyager which has a very low power transmitter on 5.840 GHz. It will be the first Amateur Satellite to make use of this downlink band.

Satellite	Uplink	Downlink	Beacon	Mode	Callsign
SACRED	--	436.870	--	1200bd AFSK	WA4CEW
ION	--	437.505	437.505	1200bd AFSK	---
RINCON	--	436.870	437.345	1200bd AFSK	WA4CEW
ICEcube1	--	437.305	--	9600bd FSK	W2CXM
KUTESat Pathfinder	--	437.385	--	1200bd AFSK	KC0RMW
nCUBE-1	--	437.305	--	9600bd GMSK	LA1CUB
HAUSAT-1	--	437.465	437.465	1200bd AFSK	D90HP
SEEDS	--	437.485	--	1200bd AFSK	JQ1YGU
PolySat CP2	--	437.325	437.325	1200bd AFSK	--
MEROPE	--	145.980	--	1200bd AFSK	K7MSU-01
Mea Huaka'i Voyager	--	437.405/5.840GHz	--	1200bd AFSK	--
ICEcube2	--	437.425	--	9600bd FSK	N2VR
PolySat CP1	--	436.845	--	15bd DTMF,CW	N6CP

FROM THE PAST



Does this ring a bell for those of you who progressed from CB to Ham Radio?

Swops

HF transceiver, FT1010 with desk microphone YD148 in working order. Contact Theunis ZR2EC on 0827668830.

Advertise in this space

Congratulations...

on your birthdays

July

26 Daniel Burger ZS2DSB

29 Des Pettit ZS2ABU

August

1 Clive Swanepoel

4 Brenda Whitehead XYL of ZS2R

4 Diane Luck XYL of ZR2LH

5 Edna Swanepoel, XYL of Clive

6 Julia Atteridge XYL of ZS2V

7 Emmie Venter, XYL of ZS6AZV

7 Dawn Hislop XYL of ZR2DJH

8 Johan van Zyl ZS2Z

15 Serge Smetryns ZR2SJE

17 Jan van Ree ZS2JW

18 Al Akers ZS2U

18 Ellen du Plessis XYL of ZS2BST

18 Maggie Moore XYL of ZR2IJ

19 Maureen van Rahden ZS6AVD

31 Sandra van Wyk XYL of ZS2P

on your anniversaries

July

28 Libby and Mike Hanslow ZS1RMS

August

1 Ginny ZS2GIN and Pat Pullinger ZS2PJP

18 Margaret ZS2HM and Jim France ZS2JF

20 Ria and Paul de Vos ZS2ABY

on your new call signs

Eric Hosten formerly ZR2ECH, now ZS2ECH

Anthony Bruins, formerly ZR2BCS, now ZS2BA

Natasha Bruins, formerly ZR2BCS, now ZS2QT

Terence Van der Linden, formerly ZR2VDL, now ZS2VDL

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 from Butterworth to George and up to the Free State and their 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.

Bulletin Roster

23rd July	ZS2BL	3rd Sept	ZS2U
30th July	ZS2AAW	10th Sept	ZS2BL
6th Aug	ZS2RT	17th Sept	ZS2AAW
13th Aug	ZS2ABZ	24th Sept	ZS2EHB
20th Aug	ZS2EHB	1st Oct	ZS2GV
27th Aug	ZS2GV	8th Oct	ZS2U

Your Societies Committee --

Chairman	Al Akers ZS2U	360-2983	makers@firestone.co.za
Vice Chair, Awards	Rory Norton ZS2BL	083-3910891	rory@commco.co.za
Secretary	Chris Scarr ZS2AAW	368-1344	cvscarr@intekom.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
Refreshments	Bill Hodges ZS2ABZ	581-2580	whodges@absamail.co.za
Contests	Al ZS2U,	360-2983	makers@firestone.co.za
ex-com.	Barry ZS2EZ,	581-3561	zs2ez@axxess.co.za
	Mike Bosch ZS2FM	581-2425	
Other Committee			
members	Ewald Bouwer ZS2EHB		ewaltzs2ehb@yahoo.co.uk
	Glen Cummings ZS2GV		
Special Events	Committee		
QSX: Composing @			
Printing	Ashley Goosen ZS2AG	468-0887	ashleygoosen@xsinet.co.za
QSX Editors:	Rory Norton ZS2BL	083-3910891	rory@commco.co.za
ex-com.	Barry Murrell ZS2EZ	581-3561	zs2ez@axxess.co.za
QSX Distribution:	Chris Scarr ZS2AAW	368-1344	cvscarr@intekom.co.za
Technical Classes:	Paul Galpin ZS2PG	372-1779	galpinp@absamail.co.za

PEARS' VHF/UHF & Other Services

REPEATERS

Town VHF	# 145,050/650		
Town UHF	# 431,050/438,650	Knysna	* 145,075/675
Cockscomb	145,000/600	Lady's Slipper	* 145,100/700
Colesberg	* 431,075/438,675	Noupoort	* 431,150/438,750
Cradock	* 145,050/650	Uitenhage	# 145,075/675

* 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 (ZS0NTP)	144,625
Packet Rose Switch ZS0GHT - 3,046101 (144,675 in/out) or 046102 (UHF out to BBS)	144,675
2m Beacon (ZS2VHF CW ID, FSK) (horizontally polarised, 25W ERP)	144,415
6m Beacon (ZSSIX CW ID) (horizontally polarised, 25W ERP)	50,005
6m Simplex Link with Lady's Slipper 2m Repeater (vertically polarised)	51,400