



HIGHVELD AMATEUR RADIO CLUB

SHACKNEWS

PO Box 19937 Sunward Park 1470

DECEMBER 2006

Website <http://www.qsl.net/zs6hvb/>
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Sunday morning BULLETINS - 145.7875 MHz & 7062 KHz @ ±08h45.



COMMUNICATION IS THE NAME OF THE GAME

Meeting This took the form of a social braai held at the QTH of OM Rex, ZS6REX. The braai went off very well with excellent weather and lots to eat and drink (soft). Thanks to Rex and Ingrid for the use of their property as well as braai fires, pap & tomato gravy, tables, chairs etc.

Some pictures of the event. Thanks to Doug ZS6BXU



IF MY BODY WERE A CAR...

If my body were a car, this is the time I would be thinking about trading it in for a newer model.

I've got bumps and dents and scratches in my finish and my paint job is getting a little dull, but that's not the worst of it.

My headlights are out of focus and it's especially hard to see things up close.

My traction is not as graceful as it once was.

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Doug Wetton
Frank van Wensveen
Berridge Emmett
Ton Van Dijk
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Harry Lautenbach
Yvonne Van Dijk
Reg Hartsliet

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I slip and slide and skid and bump into things even in the best of weather.
 My whitewalls are stained with varicose veins.
 It takes me hours to reach my maximum speed.
 My fuel rate burns inefficiently.
 But here's the worst of it --

Almost every time I sneeze, cough or sputter.....either my radiator leaks or my exhaust backfires!

More pics from the braai



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Subject: SAPS INFO

Very important 2 know for your security at home...

Palisade fencing - A normal car jack is being used to open and thus separate the vertical bars on palisade fencing thus allowing criminals to walk through fencing and remove objects or prepare cars for hijacking.

Electric fencing - It's simple. Take a length of wood with two nails attached, push it through two wires, and voila, the current is re-directed causing no harm to the criminal but does in fact damage and disable your electric fence which inevitably still costs you in repairs. Another method of deactivation is by jumper cables. Simply redirect current and the result is - No alarm. Sadly in so many instances where people have electric fencing, they don't even activate the fences. The criminals know this.

To disable a motorized gate - simply pour petrol over it and set alight. This allows for the gate to

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be moved open without too much difficulty and don't be surprised at how easily your car was removed.

The best part is this - The very latest trend is to place a burning CD in an open window of a home. The toxic fumes serve to drug the inhabitants. The effects are very deep sleep to awaken a few hours later, feeling very drowsy. Whilst asleep, the criminals have free access and reign to everything in your home. The terrifying part is that you cannot even protect yourself. You simply go to sleep.

It is important that we know how these crimes are committed. Remember crime is very big business in South Africa. Forewarned is forearmed.

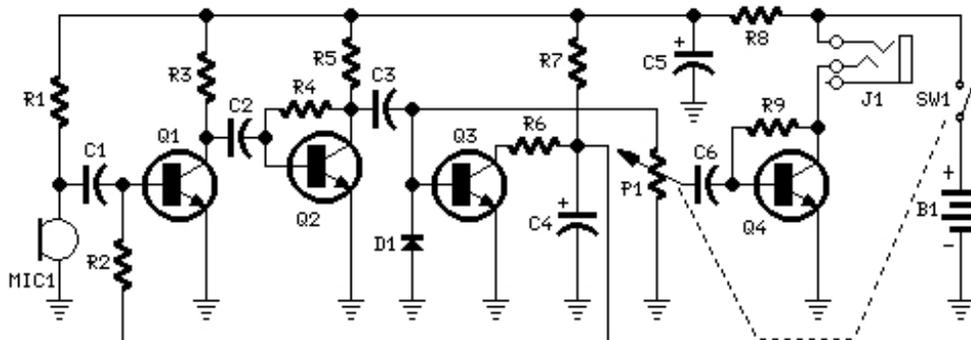
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The Airbus A380 on arrival at OT International Airport



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Amplified ear



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P1 _____ Log. Potentiometer (see Notes)
 R1,R9 _____ 10K 1/4W Resistors
 R2 _____ 1M 1/4W Resistor
 R3 _____ 4K7 1/4W Resistor
 R4,R7 _____ 100K 1/4W Resistor
 R5 _____ 3K9 1/4W Resistor
 R6 _____ 1K5 1/4W Resistor
 R8 _____ 100R 1/4W Resistor
 C1,C2 _____ 100nF 63V Polyester or Ceramic Capacitors
 C3,C6 _____ 1µF 63V Polyester or Ceramic Capacitors
 C4 _____ 10µF 25V Electrolytic Capacitor
 C5 _____ 470µF 25V Electrolytic Capacitor
 D1 _____ 1N4148 75V 150mA Diode
 Q1,Q2,Q3, _____ BC547 45V 100mA NPN Transistors
 Q4 _____ BC337 45V 800mA NPN Transistor
 MIC1 _____ Miniature electret microphone
 SW1 _____ SPST Switch (Ganged with P1)
 J1 _____ Stereo 3mm. Jack socket
 B1 _____ 1.5V Battery (AA or AAA cell etc.)

Device purpose:

This circuit, connected to 32 Ohm impedance mini-earphones, can detect very remote sounds. Useful for theatre, cinema and lecture goers: every word will be clearly heard. You can also listen to your television set at a very low volume, avoid bothering relatives and neighbours. Even if you have a faultless hearing, you may discover unexpected sounds using this device: a remote bird twittering will seem very close to you.

Circuit operation:

The heart of the circuit is a constant-volume control amplifier. All the signals picked-up by the microphone are amplified at a constant level of about 1 Volt peak to peak. In this manner very low amplitude audio signals are highly amplified and high amplitude ones are limited. This operation is accomplished by Q3, modifying the bias of Q1 (hence its AC gain) by means of R2.

A noteworthy feature of this circuit is 1.5V battery operation.

Typical current drawing: 7.5mA.

Notes:

- Due to the constant-volume control, some users may consider P1 volume control unnecessary. In most cases it can be omitted, connecting C6 to C3. In this case use a SPST slider or toggle switch as SW1.
- Please note the stereo output Jack socket (J1) connections: only the two inner connections are used, leaving open the external one. In this way the two earpieces are wired in series, allowing mono operation and optimum load impedance to Q4 (64 Ohm).

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Using suitable miniature components, this circuit can be enclosed in a very small box, provided by a clip and hanged on one's clothes or slipped into a pocket.

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Please be very careful when travelling alone.

A woman had been pushed off the road on Saturday at 10:00 on Parkland drive Esther Park road. A white taxi full of men followed her for about 5 minutes and then moved in next to her car and slowly pushed her towards the pavement. They kept on until a couple of other cars started to drive around her, and then left. This morning another lady stopped at a traffic light on Jan Smuts Avenue Kempton Park. A taxi stopped next to her and five guys jumped out of the taxi. One banged on the roof of her car, two tried to open the front doors, a third jumped onto the bonnet of her car and a fourth stood in front of her car. She got such a fright that she pulled away knocking the chap in front of her down and crossed the red robot. It seems that this is a new type of intimidation, victimizing mainly women drivers. Please be very careful when driving on your own. This is the 11th case we've heard of since last week. A single woman travelling from Boksburg stopped at a robot and was pulled from her car and raped repeatedly by 4 men in a taxi and another 2 at the Modderfontein intersection. Please pass this on - not only to females - but also to everyone - be alert.

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SSC Meeting

There will be a meeting of the SSC amateurs and wives at the QTH of Berridge ZS6BFL on Saturday 13th January 2007. 14:00 for 14:30. See you all there.

73 Berridge ZS6BFL

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