



SHACKNEWS

HIGHVELD AMATEUR RADIO CLUB

SEPTEMBER 2008

COMMUNICATION IS THE NAME OF THE GAME

Meeting At the AGM held on 6 September 2008 a new committee was chosen which appears on the last page. A big thanks to Doug ZS6BXU for all his efforts as Chairman the past number of years. Doug was presented with a certificate of appreciation and an inscribed beer tankard.

The following text was read out to the meeting by Ton ZS6ANA

6 September 2008

Dear Doug – ZS6BXU



It is with sadness and joy that we see you end your term as chairman of the ZS6HVB club. Sad, because we know that this time is the last time. With joy because we wish you so much happiness in your new adventure; moving to New Zealand.

We know that our loss is their gain, for you are just that type of person. The type of person who gets involved and makes a difference; always for the better. We know you will touch the lives of many in New Zealand, just as you did here.

You leave behind you a legacy that will never be forgotten. You will ever be remembered for all the great times, the guidance, the friendship and the years of service. You have set a wonderful example and walked the walk and talked the talk.

We thank Merle too for always being so supportive and right by your side encouraging you as well as being a friend to all the Hams and Hamsters. She has always been so willing to open her home and provide scrumptious refreshments.

We wish you and Merle many years of happiness in your new home and that the sun will always shine brightly for you, bringing with its sunny rays, health, wealth and happiness.

73, 88 and 33 from the OM's and big hugs and kisses from the YL's and XYL's.

The ZS6HVB and ZS6SSC club members.

It was also decided at the AGM to keep the annual subscription at R100.00. **So please remember to pay your subs.**

The next meeting will be held on Saturday 4 October. Frank ZS6TMV will give a talk on "Spread Spectrum Communication in layman's language

---oooOOOooo---

SSC Meeting SSC will be having a *Bring and Braai* at Cartwheels at the QTH of Rex and Ingrid on **SUNDAY** 12 October 2008. From 12:00 onwards.

--oooOOOooo---

INSTALLING A HUSBAND

Dear Tech Support,

Last year I upgraded from Boyfriend 5.0 to Husband 1.0 and noticed a distinct slow down in overall system performance particularly in the flower and jewellery applications, which operated flawlessly under Boyfriend 5.0. In addition, Husband 1.0 uninstalled many other valuable programs, such as Romance 9.5 and Personal Attention 6.5 and then installed undesirable programs such as AFL 5.0, The Ashes 3.0, and Golf Clubs 4.1. Conversation 8.0 no longer runs, and Housecleaning 2.6 simply crashes the system. I've tried running Nagging 5.3 to fix these problems, but to no avail.

What can I do?

Signed, Desperate

Dear Desperate:

First keep in mind, Boyfriend 5.0 is an Entertainment Package, while Husband 1.0 is an Operating System. Please enter the command: 'http:// I Thought You Loved Me. html' and try to download Tears 6.2 and don't forget to install the Guilt 3.0 update. If that application works as designed, Husband 1.0 should then automatically run the applications Jewellery 2.0 and Flowers 3.5. But remember, overuse of the above application can cause Husband 1.0 to default to Grumpy Silence 2.5, Happy Hour 7.0 or Beer 6.1.

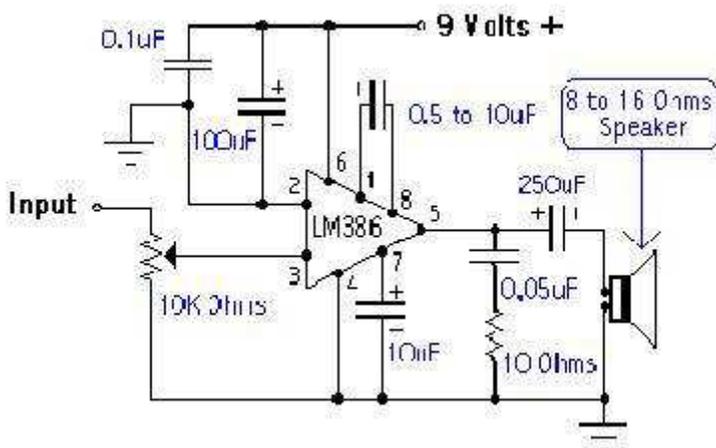
Beer 6.1 is a very bad program that will download the Snoring Loudly Beta.

Whatever you do, DO NOT install Mother-in-law 1.0 (it runs a virus in the background that will eventually seize control of all your system resources).

Also, do not attempt to reinstall the Boyfriend 5.0 program. These are unsupported applications and will crash Husband 1.0. In summary, Husband 1.0 is a great program, but it does have limited memory and cannot learn new applications quickly. You might consider buying additional software to improve memory and performance. We recommend Food 3.0 and Hot Lingerie 7.7.

Good Luck, Tech Support

LM386 Audio Amplifier



The LM386 IC has been designed to work with low voltages between 4 to 15 volts. The current taken from the power source or the batteries when standing by is also quite small, something around 3 mA's. If you add to these qualities the possibility of changing the amplification power, you realize that the LM386 chip is an attractive circuit to work with.

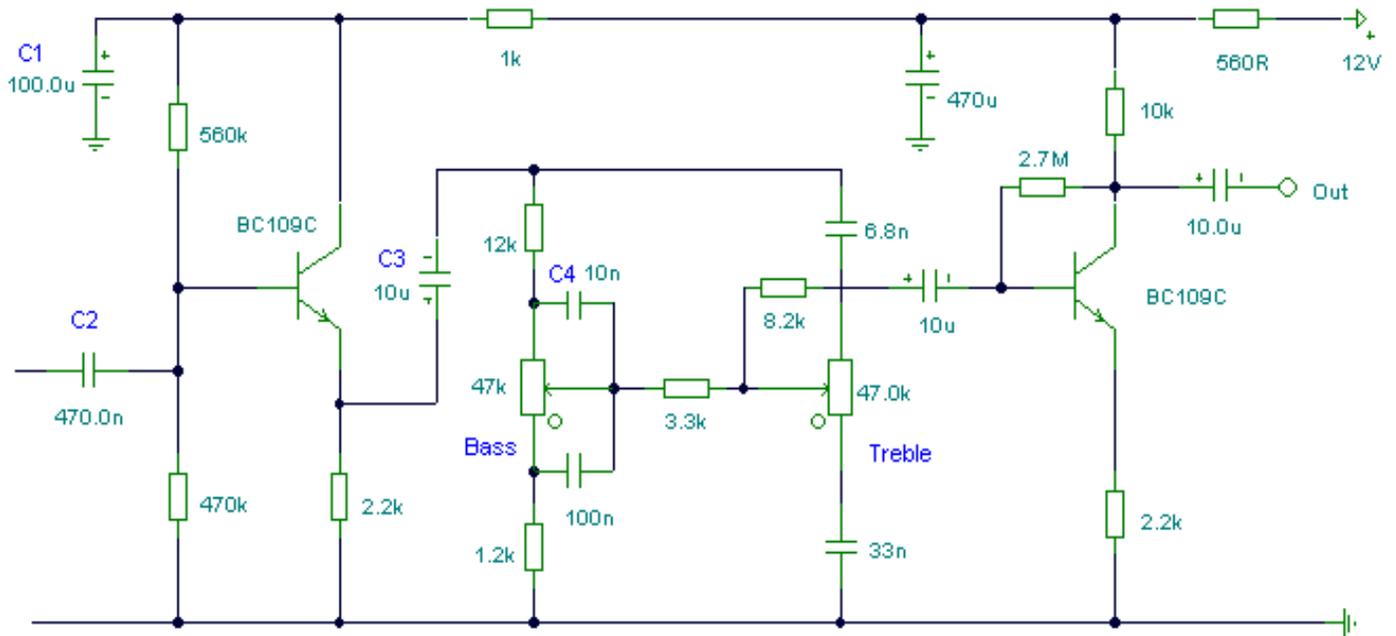
In the schematic to the right, you see that there is a capacitor between pins 1 and 8. This capacitor can be varied from 0.5uF to 10uF. With higher values employed, greater amplification can be obtained though the risk of oscillation also increases.

To avoid oscillation of the circuit, it is a must to connect a 100uF electrolytic capacitor between pin 6 and ground. This capacitor is shunted in parallel with another one of 0.1uF. It can be either ceramic or mylar. You can attach to the output of this circuit, speakers from 8 ohms to 16 ohms.

The LM386 IC (Integrated Circuit) is manufactured in an 8-pin dual in-line package and it is good practice to mount it onto an 8-pin socket. This IC can deliver up to 0.5 (audio power) watts without any kind of heat sink. This is when a 16-ohm loudspeaker is attached to the output, together with a 9-volt power supply.

The LM386 IC has an ample field of experimentation not only as an audio amplifier, but also as a Wienbridge oscillator and a square wave oscillator.

A tone control circuit



Based on the classic Baxendall tone control circuit, this provides a maximum cut and boost of around 10dB at 10K and 50Hz. As the controls are passive, the last transistor provides a slight boost. Both tone controls should be linear potentiometers. This circuit could be useful in the microphone input of Xcvr.

Retirees

There are three signs of old age.
The first is loss of memory. I forgot the other two.



At my age...
everything I buy comes with a lifetime guarantee!



Don't worry about tomorrow!
After all, today is the tomorrow you worried about yesterday.



With age comes wisdom... and discounts.



Silly headlines



Found this one while surfing the



Our Chairman at the RTA



CLUB INFORMATION

Postal address PO Box 19937 Sunward Park 1470

Monthly meeting venue

Website <http://www.qsl.net/zs6hvb/>
<http://www.qsl.net/zs6ssc/>

Witwatersrand Rifles HQ
 Cnr Barlow and Cavaleros Str
 Industries West
 Germiston

e-mail zs6hvb@gmail.com

Bulletins Sunday morning - 145.7875 MHz & 7062 KHz @ 08h45.
 Relay - 80M - 3662KHz

First Saturday of the month at 14:30

Committee

Chairman	Frank van Wensveen	ZS6TMV	082-294-2648
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Secretary/Treasurer	Berridge Emmett	ZS6BFL	011-893-1291
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Repeater 145.1875 MHz input - 145.7875 MHz output
 Linked on a Sunday morning during bulletin time to 70 cm - 438.850 MHz