THE WEST RAND AMATEUR RADIO CLUB

October 2002
Volume 3, Issue 3

ANODE

Inside this issue:

Editor's Comments

I don't cruise the Internet much nor the newsgroups either. However that's going to change from now on. I found a whole bunch of interesting Amateur Radio newsgroups recently and one item features on our third page. They all start with rec. amateur.radio. There are a lot of them so set aside some time for browsing/reading. At the very least they provide a change from alt.blondes etc.

For the want of a hape'th of tar, the ship sank. At todays exchange rate and taking inflation into the calculation.... you can do a much better job using a computer.

Humour in advertising has been shown to be very useful. Humour as satire has been used for millennia to bring down governments. It is therefore unfortunate that some South African companies do it to themselves by lax standards.

The placing of signs that said: "No entry without authorization" all over a company's premises can be traced back to the IT manager, who said that the regional setting of the company's pc was not important. As a result of this inaction, all the spell checkers in the company use 'US English' by default. (US for me as an engineer has always meant broken or unserviceable.) This is

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SOUTH AFRICAN AMATEUR RADIO HF BAND PLANS

Notes to the HF Band Plans

The expression "Phone" includes all permitted forms of telephony.

If transmitting very close to a band edge, take care not to radiate outside of the band.

Before transmitting, all operators should check that the frequency is not already occupied. The normal advice is to use the phrase "Is this frequency in use?" on SSB, or "QRL?" on CW.

Digimodes are defined as including: AmTOR, PacTOR, Clover, ASCII, RTTY (Baudot) and AX25 packet.

LSB is recommended on bands below 10 MHz, and USB recommended on bands 10 MHz and above.

The region 1 IARU HF band plans are designed to enable the best utilisation of the HF spectrum space available. They achieve this objective because the vast majority of licensed amateurs observe the voluntary recommendations. In some countries (e.g. the USA) licence regulations require that specific modes be confined to specific sections of each band.

1.8 MHz (160m)
Licence Notes:
Amateur Service: 1.810 - 1.850 MHz, Primary Satellite Service: No allocation Power limit: 26 dBW 400 W PEP Permitted modes: Morse, Telephony, RTTY, DATA, FAX and SSTV

IARU Usage
1.810 CW only
1.838 Digimodes and CW

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Special points of interest:

- Contact details on back page

SOUTH AFRICAN AMATEUR RADIO HF BAND PLANS

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(excluding AX25 packet)
RTTY (Baudot) is the preferred digital mode on this band.
Phone may be used above 1.840
1.840 Phone and CW
1.850
Note: AX25 packet should not be used on the 1.8 MHz band

3.5 MHz (80m)
Licence Notes:
Amateur Service: Primary, Shared with other services
Satellite Service: No allocation
Power limit: 26 dBW 400 W PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV
Unattended beacons: Only for DF contests, 14 dBW ERP PEP max (30 watts)

IARU Usage
3.500 CW only
3.500-3.510 Priority for CW inter-continental working
3.500-3.560 CW contest preferred segment
3.580 Digimodes and CW
3.590-3.600 AX25 packet frequencies.
(Phone may be used and has priority above 3.600 MHz)
3.620 Phone and CW
3.600-3.650 Phone contest preferred segment
3.700-3.800 Phone contest preferred segment
3.730-3.740 SSTV/Fax recommended
3.775-3.800 Reserved for intercontinental phone working
3.800

7 MHz (40m)
Licence Notes:
Amateur Service: Primary
Satellite Service: Primary
Power limit: 26 dBW 400 W PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV
IARU Usage
7.000 CW only
7.035 Digimodes, CW, SSTV and Fax but excluding AX25 Packet
Digimode forwarding may be used in Africa South of the Equator, during local daylight hours
7.045 Phone and CW
7.100
Note: AX25 packet should not

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Amateur Radio Newsgroups

Taken from the Newsgroup rec.amateur.radio - the AR Newsline

RADIO REGULATIONS: A WORLDWIDE CHALLENGE TO 70 CM

If you operate on 70 centimetres anyplace in the world, listen up. Your future access to that band is in peril. Q-News Graham Kemp, VK4BB, has the details on how a proposed satellite system could run hams off of the band:

It has come to the attention of the South African Radio League, SARL that the threat to the 70-cm band -- world wide -- is once again very real. The SARL has just received a discussion paper which will be tabled at the World Radio Conference next year -- WRC-03 -- which directly targets the portion of 432 to 438 MHz for exclusive use by the planned Earth Exploration Satellite Service or EESS, due to be launched soon.

If this proposal is carried at the World Radio Conference next year it, will see this portion of spectrum allocated on a worldwide basis and this spells the death knell of all 70-cm ham radio operation.

The section of the proposal and the motivation is as follows: Agenda Item 1.38: '...to consider provision of up to 6 MHz of frequency spectrum to the Earth exploration-satellite service active in the frequency band 420-470 MHz, in accordance with Resolution 727 that was revised at WRC-2000.

But why target the Amateur Radio allocation at 70 centimetres? The researchers who want it say its the only frequency that will work. Again, Q-News Graham Kemp, VK4BB:

According to the United Nations Conference on Environment and Development --

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Editors Comments

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how companies rot from the inside with thousands of small bites taken out of them. The effect is a reduction of the standing in the community and consumer confidence in that company. This has a very negative effect on that companies good name.

This is an ISO900x company. I think I should point out that ISO stands for International Standards Organisation. It is a global not an American organisation. It promotes a high level of standards in any professional company. It also promotes the use of metric measurements (mks) and non-y2k problematic date and time display (ISO8601). The last, another bone of contention of mine with SA companies.

That company is not alone in South Africa. I have a supplier, also an ISO900x company, who thinks that you or your modem can be struck by 'lightening' in the summer. Maybe the MD has visions of bottles of face cream falling from the sky. What's worse, is that in both these companies, the high-level manager insisted that that was the spelling he wanted, when the spelling issue was raised with him.

We all laugh at the schoolboy bloopers in published exam papers. Even more so when we commit these transgressions ourselves. This is called "shooting yourself in the foot". These we used to spread to others by word of mouth in a one to eleven ratio. Nowadays this has a rapid propagation via email in vast quantities.

Holding yourself up to ridicule.

All companies suffer 'bad press' sometime or another. From my youth I will never forget the Gas Board in the UK sending a final demand for a small amount to a Householder whose house was electric only. Recently the first company mentioned above was partly responsible for a final demand for 70c. I should say "with menaces", as apparently the collection agency threatened to deprive the person from their house. You are not allowed to make fun of people in public. If you take a picture of someone in public in a compromising or bad situation you are supposed to get them to sign a release form. That's why Candid Camera says "smile, you're on Candid Camera". But it is always allowed if you do it to yourself. So this is a 'non-visible' or protected criticism of those companies. After all the damage has already been done. Also if you haven't spotted the signs or the article in the press, I'm not going to make the situation worse for them.

Not looking after or correcting mistakes on a web site is another complaint of mine. Professional companies quite often have a web site on the

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Amateur Radio Newsgroups

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UNCED -- held in Rio de Janeiro in 1992, there is an urgent need for assessment and systematic observations of forest cover and rate of forest degradation in tropical and temperate regions. Active space borne sensors Synthetic Aperture Radars (SARs) are needed to enable the monitoring of forest biomass.

Systems operating on frequencies around 450 MHz can penetrate the canopy of forests, and have the capability to determine the ground-trunk interaction and are in the context of forest cover information of particular importance.

Systems operating at 1.3 GHz, or higher frequencies cannot penetrate the canopy. The spectrum around 450 MHz is also optimal for monitoring of continental ice and for monitoring of vegetation and soil surfaces for desert and tropical areas.

More on this story in future Amateur Radio Newsline reports. (Q-News, SARL, ARNewsline™)

Soft and Hard for PSK31

(Last update: 26-Feb-2001)

There is much software for getting in the air on PSK31. You can choose based on the Operating System of your computer and after that based on the hardware you have. You should read the notes for the compatibilities between DOS and Windows versions.

This is also the main distribution point for Peter G3PLX's implementation reference software, known in it's Windows compatible version as P31SBW or PSKSBW. It is here but will also be able to get last english version requesting

http://www.kender.es/~edu/download/p31sbw.zip

DOS

Motorola EVM Version by Peter Martínez G3PLX, now with on screen waterfall display : p31evd302.zip

Texas C50DSK Version by Andrew Senior G0TJZ. Now compatible with Peter's latest release for DOS: psk31c50_r2.zip Adaptation of Peter's psk31evm301 for 56002 based EasyDSP DOS Version by DF6JB: psk31eas301.zip

OH2GI-HAM SYSTEM is a DOS commercial terminal that supports the SCS PTC-II in PSK31. You can read about it in Here Intercom is a free DOS program by Pier PA3BYZ that since version 4.1 adds PSK31 capability to many other modes. It can use several interfaces, hamcom type, soundcard, etc. It's homepage is here

Windows

There is a new free program in the PSK31 arena. It's named W1SQLPSK and it's coded by Joe Faria W1SQL. Along with the decoding of 20 signals at a time it also logs PSK contacts directly to a DBASE type file. It's available in the W1SQLPSK Homepage.

There is a free program named WinPSK (2.09) by Moe AE4JY. It removes several buglets from previous version 2.0. Over version 1.0 it adds two interesting things, the first is a new user interface that favours disabled ham that cannot use mouse, through the use of Function keys and Macros. Latest version 2.09 adds full-duplex capability for Satellite use. The second one is that he has produced a PskCORE DLL (Now ver 1.10, which fixes problems with laptops and Windows Me) that is available in binary along with instructions to use it that let programmers develop PSK31 terminals without having to deal with DSP questions. I keep a local copy of WinPSK 2.0 binary, source and user manual in .pdf format.

There is an Spanish help file for WinPSK 2.0 translated as usual by Paulí, EA3BLQ. It's here.

There is a Japanese help file for WinPSK 2.08 translated by Tsudaka Takashi, JA3VXH/KB7OBU. It's here.

I forgot a notable program for many time, because Nino IZ8BLY and Murray ZL1BPU work on MFSK was dominant on my mind when playing with this package. The name of the program is STREAM and it's available in Nino's STREAM page. Along with MFSK it offers variations on some PSK modes.

After months of beta-testing, here is the first public release of an amazing program named Hamscope by . It offers, several digital modes, as PSK31, MFSK, RTTY, ASCII, own HFSK16 and Morse, with a very graphic user interface. And it's FREE. What is a novelty in the PSK31 scena, is the additional FEC possibilities: TurboCodes, Golay, RS, etc. to test. It's worth a look A very good work by Glen KD5HIO, available at Hamscope Homepage. The first non-beta version of Zakanaka (version 1.0) has appeared. It's coded by Bob Furzer K4CY, and it's available in Zakanaka Homepage page.

There is a new version of the amazing program Digipan 1.6d. It adds to it's panoramic view of the entire audio band, where you can instantly tune a new QSO with a click of the mouse, dual channel reception, selectable colors for all windows, ability to transmit and receive on different fre-

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SOUTH AFRICAN AMATEUR RADIO HF BAND PLANS

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be used on the 7 MHz band

10 MHz (30m)
Licence Notes:
Amateur Service: Primary
Satellite Service: No allocation
Power limit: 26 dBW 400 W PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV
IARU Usage
10.100 CW only
10.120 - 10.140 phone in Africa south of equator only
10.140 Digimodes and CW but excluding AX25
Packet 3.590 - 3.600 AX25 packet frequencies.
(Phone may be used and has priority above 3.600 MHz)
10.150
Note: AX25 packet should not be used on the 10 MHz band

10 MHz Band Plan notes:
Note: The 10 MHz band is allocated to the amateur service in many countries on a secondary basis. Therefore IARU has agreed on a worldwide basis that only CW and digimode being narrow bandwidth modes are to be used on this band. The segment 10120 kHz – 10140 kHz may be used for SSB phone in Africa south of equator during local daylight hours only.

14 MHz (20m)
Licence Notes:
Amateur Service: Primary
Satellite Service: 14.000 - 14.250 MHz: Primary
Power limit: 26 dBW 400 W PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV

IARU Usage
14.000 CW only
14.000–14.060 CW only contest preferred segment
14.070 Digimodes and CW
14.089–14.099 No digimode mailbox or forwarding
AX25 packet preferred frequencies
14.099 Beacons only
14.099–14.101 Reserved exclusively for beacons
14.101 Digimodes, phone and CW
14.101–14.112 Digimode mailbox or forwarding
AX25 packet preferred frequencies
14.112 Phone and CW
14.125 – 14.300 SSB only contest preferred segment
14.225 – 14.235 Used for SSTV/ Fax
14.350

18 MHz (17m)
Licence Notes:
Amateur Service: Primary
Satellite Service: Primary
Power limit: 26 dBW 400 w PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV

IARU Usage
18.068 CW only
18.100 Digimodes and CW
18.109 Beacons only
18.109–18.111 Exclusively beacons
18.111 Phone and CW
18.168

21 MHz (15m)
Licence Notes:
Amateur Service: Primary
Satellite Service: Primary
Power limit: 26 dBW 400 w PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax, SSTV

IARU Usage
21.000 CW only
21.080 Digimodes and CW
21.100 – 21.120 AX25 packet preferred
21.120 CW only
21.149 Beacons only
21.149-21.151 Beacons Exclusive
21.151 Phone and CW
21.335–21.345 Used for SSTV/ Fax
21.450

24 MHz (12m)
Licence Notes:
Amateur Service: Primary
Satellite Service: Primary
Power limit: 26 dBW 400 w PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV

IARU Usage
24.890 CW only
24.920 Digimodes and CW
24.929 Beacons only
24.929–24.931 Beacons exclusive
24.931 Phone and CW
24.990

28 MHz (10m)
Licence Notes:
Amateur Service: Primary
Satellite Service: Primary

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SOUTH AFRICAN AMATEUR RADIO HF BAND PLANS

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Power limit: 26 dBW 400 w PEP
Permitted modes: Morse, Telephony, RTTY, Data, Fax and SSTV
Unattended beacons: Only for DF contests, 14 dBW ERP PEP max (30 watts)

IARU Usage
28.000 CW only
28.050 Digimodes and CW
28.120–28.150 AX25 packet preferred
28.150 CW only
28.190–28.199 Regional time shared International Beacon Project Exclusive
28.199 Beacons only
28.199–28.201 Worldwide time shared International Beacon Project Exclusive
28.201 Phone and CW
28.199–28.255 Continuous duty International Beacon Project Exclusive
28.675–28.685 Used for SSTV/ Fax
29.200 AX25 Packet, Phone and CW
29.300 Satellite downlinks
29.300–29.500 Reserved exclusively for satellite downlinks
29.550 Phone and CW
Some experimental FM repeaters may be established in IARU Region 1
29.700

Soft and Hard for PSK31

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quencies, easier to use log, QSO data display on status bar, phase scope, Sound history, and IMD measurement. It's by Howard KH6TY and Nick "MixW32" UT2UZ. You can get a copy from here, or from Digipan homepage. There is also an specific transceiver mad by SWL labs that will allow taking an snapshot of the actual IF passband. See details here.

There is a new version of the program WinWarbler by Dave, AA6YQ. It's based in PskCORE below and it can simultaneously decode and display PSK transmissions on three separate frequencies. It's present version is 1.9.2. You can take a look at it in Winwarbler homepage.

There is a new program from VK-land named PSK-PAL. It is written in vb6 by Erik VK7AAB and is based on PskCORE. It's able to monitor 3 channels at once. You can get it from PSK-PAL Download and take a look at it's associated egroup page.

There is a commercial logging program which from version 5 supports PSK31, it is called DX4WIN and it's available in DX4Win Homepage. You can get there a demo version for free.

There is a new free french program named DXPSK by Christian F6GQK. It also uses PskCORE.dll. Take a look at DXPSK Homepage.

It's also available in English!!!

There is a version of Winpsk by Dave Knight KA1DT named WinPSKse (second edition) that is available now on version 2.01. It features between other dual reception. It's available from it's WinPSKSe homepage.

There is a new shareware program by UA9OSV TrueTTY that is able to transmit PSK31 and RTTY with a SoundBlaster. It's available here.

Soft and Hard for PSK31

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There is a new version of WinPSK, 1.2 by Moe AE4JY. It's features are impressive.

Also it's the first fully GPL'ed windows and SB implementation, which means the source is available for free for non-commercial use. I keep a local copy of the binary, the source, the user manual in .pdf format and a technical supplement which is a must and real pleasure to read if you want to learn both implementation details and theory of operation. Also in .pdf format. Moe Homepage is here

There is an Spanish help file for WinPSK translated as usual by Paulí, EA3BLQ. It's here.

New version (1.2) for SHARC EZ-Lite EVM that adds to the "standard" modes variable transmission-speeds (PSK16-124) with stronger QPSK modes up to constraint length 9. Now it also has IQ input/output for direct connection to IQ UP/DOWN mixer (integrated hilbert transformator). It's for free. By Michael DL6IAK: mpskwiq

RCKRtty Is a Windows Terminal capable of working PSK31 with SCS PTC-II and DSPCOM units.

New version (1.08) for Windows 3.1, Windows 95/98, Windows NT with Soundblaster. (At least a 486/33, perhaps less with slower rates). With Soft-decision Viterbi, better squelch, and a much better AFC. Now with Slash-0 configurable on reception. There is a new feature which will help users to give accurate and useful signal quality reports to other PSK31 users. By Peter G3PLX : p31sbw108.zip

There is a new Spanish Windows Help File for the Windows SB version 1.08 translated by Pauli EA3BLQ . It's here: p31sbw108-es.zip

There is a new Russian Windows Help File for Windows SB version 1.08 translated by Mike RV3DBL and Andrey RA3DOA . It's here: p31sbw108-ru.zip

There is a new Czech Windows Help File for Windows SB version 1.06 translated by Petr OK1FCJ and Pavle OK1DX . It's here: p31sbw106-cz.zip

There is a new Polish Windows Help File for Windows SB version 1.06 translated by Marek SP7DQR . It's here: p31sbw106-pl.zip

There is a new Italian Windows Help File for Windows SB version 1.07 translated by Eduardo Alcolado I5PAC, and assembled in .HLP format by Pauli EA3BLQ. The file is here

There is .pdf file translated by Maurice F6IIE that includes all the text of the psk31sbw 1.05 help file in French. It's here.

There is a module for the Analizer 2000 program that implements a PSK31 modem. It uses Soundblaster. Take a look at it here

WriteLog is a Logging/Contesting Windows program by Wayne Wright W5XD that offers a PSK31 module over Soundblaster. Take a look at it here

Motorola EVM 56002 Windows with help, tunnig aids, and a waterfall indicator for easier tunning and a receive overload indicator. New version with Soft-decision Viterbi, better squelch, better AFC. Now upgraded to include a decibel readout of the intermodulation distortion on received idle signals. By Peter G3PLX.: p31evw125.zip

MixW32 is a Windows/SB commercial program by Nick Fedoseev, UT2UZ. It supports among others PSK31 in PSK and QPSK and a new mode named FSK31. You can get an old free version here. There is another commercial version (now on 1.37) that also offers Pactor Rx, VHF/HF Packet Rx and (Tx (with keying interface), CW Tx and Rx. Here is it's HomepageHere is also another official distribution point.

Linux

You should always check for general Ham & linux applications at ftp://metalab.unc.edu/pub/Linux/apps/ham/

There is new program by Volker, DL1KSV named LinPSK, it is originally based on WinPsk 1.0 and decodes 4 psk signals simultaneously. It

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Soft and Hard for PSK31

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uses Qt 1.4. It's available in the LinPSK Homepage.

There is a new version of PSK31, by Luc Langehegermann, LX2GT, it's called G-psk31 for Linux with a GTK+ Interface. Uses DL9RDZ's new PSK31 Implementation (0.75) and you can get it in it's .0.2.4 version here. Take a look at G-PSK31 Homepage.

Hansi Reiser DL9RDZ and Ted WA0EIR have merged efforts and they offer now twpsk 0.10, PSK31 for Linux and Lesstif. Their result is avalaible here and the homepage is here PhaseShift is a program by Edson PU1JTE for operating PSK31 on Linux. It makes use of the Qt library and is based on the PSK31 code written by Hansi Reiser, dl9rdz and Ted Williams, wa0eir. You can take a look at PhaseShift Homepage.

Macintosh

There is a shareware program called Multimode by Chris N3JLY that starting from version 2.1.0 is able to do PSK31 on RX/TX for Macintosh users. You can take a look at it's Homepage. You can also take a look at the Japanese distribution site by R3TVH Takashi Sawaguchi here .

Operating System Independent
The last versions of the nice SCS PTC-II and PTC-IIe implement a PSK31 terminal, that you can use with any communication program as:

Simple Terminal is a windows program that only works with PTC-I and PTC-II TNC.

There are other DOS and Windows programs that are able to control the PTC-II

PSK31 by Hardware, or should I say, Hardware independent? ;-)
George N2APB has prepared an Integrated and Portable PSK Station for 80 and 20 ... without using a PC! It's based ont the simple PSK transceiver boards from NN1G and Small Wonder Labs, along mith a Motorola EVM56002 . Characters are sent with a Morse Paddle. Details are available here

After a year in the air the PIC based implementation of PSK31 by Clint KA7OEI, has been modified to allow serial control. He uses this setup for beacons on MedFer experimentation. Details along with sources for PIC programming are available here.

Small Wonder Labs has just announced the PSK-20, a 20m transceiver kit designed for PSK31 that uses Digipan to take a glance at the IF passband. Details here
Graeme Zimmer VK3GJZ has prepared a Base Band PSK31 Decoder Module and is working in a project for a PSK31 Transceiver which uses a PIC16C877 processor to read from a standard PC keyboard and write to a 40 x 4 LCD screen that joined to his decoder a (to be designed) PSK31 Encoder Module. You can take a look at this work here

Various pieces of software...

There are a new breed of free HF Ionospheric simulators available. With them you will be able to mimic the ionosphere and see which are the good points of any mode.

Michael Keller DL6iAK Ionospheric Simulator for Windows and SB V1.2 is here.

Moe is also developing a Ionospheric Simulator for Windows and SB named PathSim, a very early beta is available from his Homepage or here.

Johan Forrer has put on the WWW GPL'ed sources for Linux here

There is a free front-end program for P31SBW by Al WD5GNR that implements features that some people find missing in Peter's program, as type ahead buffers and macros. It's homepage is here. Soon I'll mirror the files here.

There is package by Wayne Wright W5XD (Writelog's author) that contains some C++ classes that implement the DSP algorithms invented by Peter for PSK. It also has a DOS test program that demonstrates their use. It's here: pskcppsrc.zip

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Soft and Hard for PSK31

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... and some pieces of Hardware (for interfacing to Sound Boards)

Dave deSouza G3VFP has prepared several SB to rig interfaces. They are opt isolated and available for several Rig brands. Take a look at Dave deSouza's interface Page.

Timewave has a firmware upgrade (Version 5.0) for their DSP-599zx unit that between other things adds it a SoundBlaster Interface and PSK31 filter capability. Check it here.

KH6TY, Howard (Skip) Teller has recently developed a low cost Isolating Interface for SB. You can look at details here.

'Buck' Rogers K4ABT offers many possibilities to interface HF rig's to the Sound Blaster. Be sure to take a look at his PSK31 interface Home Page before plunging in a expensive purchase...

Salvador Esteban, EB3NC produces and sells an interface for the SB cards. Shipping to Europe and Spain should be more interesting than from USA. Find details in English here and in Spanish here

Mike WA8TXT produces and sells an interface for the SB cards that I wouldn't mind to test. Find details here.

A Spanish firm, has a SB interface that could be interesting for Spanish/European users, you can take a look at it here.

There is also another unit by West Mountain Radio which is the RigBlaster.

Notes

Every version can transmit 255 different Varicode symbols, and map these to values in the range 0 to 255 for display as characters on the screen. This means that PSK31 is now capable of handling some of the less-often-used symbols and special accented characters that are not in the standard 128-character ASCII character set. The problem is that the mapping between the values and what is presented on the screen is not coherent between DOS versions and Windows Versions and even between DOS versions with different Code pages loaded.

EVM versions now use the same CLD file which runs the DSP software in the board. These versions also, can now be used, along with suitable hardware, to build a complete direct-conversion PSK31 transceiver. This should be of interest to home-construction fans and those experimenting with VLF bands

A List of hyperlinks follows on the next page :-

Editors Comments

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Internet. It is usually there to advertise their products or services. So how do you feel about a 'broken' web site? The one I came across recently for a major SA Payroll also had the link to the webmaster broken, so I couldn't even email him! It frustrates the visitor and gives the company a bad name with you. Which of course, you tell on average 11 other people about. The site is still broken some weeks after reporting it to a director of that company. What impression of that company does that leave in your mind?

The New York police force started a policy of 'zero tolerance' for crime and made that city a much safer place for tourists*. Shouldn't we adopt a policy of zero tolerance towards the Americanisation of our companies?

Americanization MUST be stopped!

_____

* (not the NY residents?)

2002-09-15 (C) John Brock - john.brock@pixie.co.za

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Soft and Hard for PSK31

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http://www.kender.es/~edu/software.html#Notes
http://www.kender.es/~edu/software.html#p31sbw
http://www.kender.es/~edu/download/p31sbw.zip
http://www.kender.es/~edu/download/p31evd302.zip
http://www.kender.es/~edu/download/psk31c50_r2.zip
http://www.kender.es/~edu/download/psk31eas301.zip
http://www.kolumbus.fi/jukka.kallio/
http://ourworld.compuserve.com/homepages/pa3byz/rttymade.htm
http://www.faria.net/w1sql/download.htm
http://www.kender.es/~edu/download/pskcoredll110.zip
http://www.kender.es/~edu/download/pskcoredll120.pdf
http://www.kender.es/~edu/download/winpsk209.zip
http://www.kender.es/~edu/download/winpsksrc209.zip
http://www.kender.es/~edu/download/winpskuser209.pdf
http://www.kender.es/~edu/download/WinPSK2-ES.zip
http://www.kender.es/~edu/download/JWinPSKUser208.pdf
http://iz8bly.sysonline.it/Stream/index.htm
http://users.mesatop.com/~ghansen
http://www.qsl.net/kc4elo/
http://www.kender.es/~edu/download/digipan6.exe
http://members.home.com/hteller/digipan/
http://www.kender.es/~edu/software.html#SWL
http://www.qsl.net/winwarbler/
http://users.origin.net.au/~crac/PSK-PAL-FullInstallDec19-2000.zip
http://www.egroups.com/group/sstvpal
http://www.dx4win.com/
http://members.aol.com/chramade/dxpsk.htm
http://www.kender.es/~edu/software.html#winpsk
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http://www.dxsoft.com/mitrtty.htm
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http://www.kender.es/~edu/download/winpsksrc12.zip
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http://www.kender.es/~edu/download/p31sbw108-es.zip
http://www.kender.es/~edu/download/p31sbw108-ru.zip
http://www.kender.es/~edu/download/p31sbw106-cz.zip
http://www.kender.es/~edu/download/p31sbw106-pl.zip
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http://members.aol.com/btf1/psk31.htm
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mailto:byw5xd@alum.mit.edu
http://www.kender.es/~edu/download/pskcppsrc.zip
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http://www.astroradio.com/minisb.htm
http://www.westmountainradio.com/RIGblaster.htm

The West Rand Amateur Radio Club
26.14122 South - 27.91870 East

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1725

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Email: john.brock@pixie.co.za

Bulletins (Sundays at …)
11h15 Start call in of stations
11h30 Main bulletin start

Frequencies
145,625 MHz (West Rand Repeater)
10,135 MHz (HF Relay)

Radio Amateurs do it with more frequency!

We are going on the Web

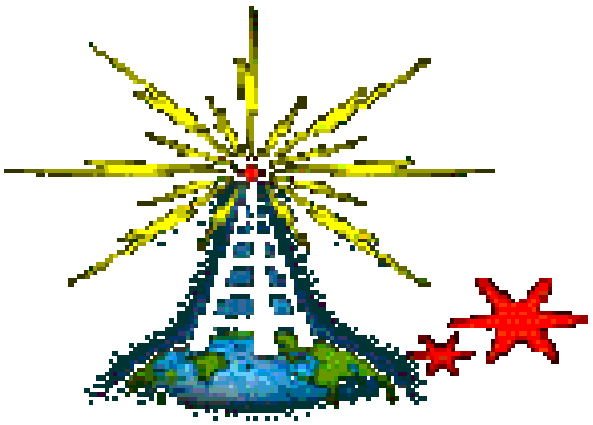
Chairman/Treasurer	Dave	ZR6AOC	475 0566 (H)	zr6aoc@mweb.co.za
Vice-Chairman/Events	Simon	ZR6SS	084 308 2665	ssnyman@securehome.co.za
Secretary	John	ZS6FJ	672 4359 (A/H)	
Technical	Phillip	ZS6PVT	083 267 3835	
Technical	Greg	ZR6JDD	083 289 2072	gjarrett@webb.co.za
Member	Craig	ZR6CRW	795 1550 (H)	craig.woods@absamail.co.za

West Rand members input - we need your input!

To make this the best ham radio magazine in South Africa we need your input. Please submit articles, comments, suggestions etc.

Please send plain text with no formatting to the email address below.

In November 2001, we published an Anode Compendium on CD. It has the issues from July 2000 until November this year. This included IE5.5 and the new Adobe reader. It is soon to be updated, check with the vice-chairman for details.



We need your input! Email us articles, comments and suggestions please.
john.brock@pixie.co.za