

Another glimpse of the extensive facility operated by lain-ZS5IE (more photos on QRZ.com)



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Bladsy agt

Next club events

Fleamarkets at PMC Wed 1 May (public holiday) Sat 10 Aug Sat 7 Dec

Club social at U.P. Thursday 4 Apr 7pm Club committee meeting Thursday 18 Apr 7pm

PARC Management team / Bestuurspan Aug. 2012 - Aug. 2013

Committee members

Chairman, Contests Vice Chairman, SARL liason Secretary, Clubs, Strategy Treasurer, SARS Rallies, Social Webmaster RAE, Bulletin co-ordinator	Pierre Holtzhausen Fritz Sutherland Jean de Villiers Andre van Tonder Johan de Bruyn Graham Reid Vincent Harrison	ZS6PJH ZS6SF ZS6ARA ZS6BRC ZS6JHB ZR6GJR ZS6BTY ZS6BTY	zs6pjh@telkomsa.net fritzs@icon.co.za zs6ara@webmail.co.za andreh.vtonder@absamail. zs6jhb@gmail.com greid@wolco.za zs6bty@telkomsa.net	012-655-0726 012-811-3875 012-663-6554 <u>co.za</u> 361-3292 012-803-7385 012-998-8165	082-575-5799 083-304-0028 083-627-2506 082-467-0287 079-333-4107 083-701-0511 083-754-0115
Repeaters, Technical Technical, Kits. PR, youth	Craig Symington Rudi van Dyk	ZS6RH ZS6RVD	zs6rh@hotmail.co.za vdykr@telkomsa.net		081-334-6817 082-962-4141
Co-opted/Geko-opteer:					

Auditor	Tony Crowder
WATTS newsletter/Kits	, Hans Kappetij
Clubhouse	Pieter Fourie
Fleamarket	Alméro Dupisa
Historian, Archives, Awards	Tjerk Lammer

ony Crowder	ZS6CRC
ans Kappetijn	ZS6KR
ieter Fourie	ZS6CN
lméro Dupisani	ZS6LDP
jerk Lammers	ZS6P

+ OM Bill Ingleson ZS6KO SK

OM Bill passed away in the morning of 15 March after a long illness of several months. He was 85 years and a PARC member for 65 years in 2012 .

It is difficult to describe his enormous contribution to the amateur radio hobby and was the perpetual tinkerer and home-brewer with a great love for Morse Code communication for which he built many a QRP rig. He will be missed by many regulars on the CW bands.

Bill was always game for field days and fox hunting and set many an example to motivate others in these persuits. He also was club chairman in 1976,1977 and 1993 as well as a committee member at various times.

Numerous awards came his way and he will always be remembered for his Desert Island Awards where some really imaginative stories came forth to amuse the audience.

R.I.P. old friend. We will miss you.



IMPORTANT INFORMATION TO ALL LICENCEES

ICASA now has three people dealing with amateur licensing, divided by section of the alphabet as shown at the end of this item. The details, email addresses and telephone number are:

A-B-C-D-E-R-S-T

Khutso Mashile 011 566 3313 011 566 3314 Kmashile@icasa.org.za

F-G-H-I-J-K-U-W-X-Y-Z

Petunia Mashile 011 566 3657 011 566 3658 PMMashile@icasa.org.za

L-M-N-O-P-Q-V

Delmar de Witt 011 566 3339 011 566 3340 DdeWitt@icasa.org.za

License fees coming up 1 April

The license fee of R120.00 is due on ${\bf 1}$ April 2013. You may also renew for up to five years at a reduced fee. See below.

1 year -	R120.00
2 years -	R230.00
3 years -	R329.00
4 years -	R419.00
5 years -	R501.00

Always include your call sign as a payment reference.

Birthdays Apr. Verjaarsdae

- 01 Melanie, daughter of Peggy and Ed ZS6UT
- 04 Joe ZS6AIC
- 04 Dino ZS6DNO
- 08 Bertha, lv van Hans ZS6KR
- 08 Klasie, seun van Sylvia en Tjerk ZS6P
- 09 Tanya, daughter of Pat ZR6AVC and Frank ZS6GE
- 10 Joey, sw of Graham ZS6GJR
- 10 Callan, son of Phil ZS6PHL and Craig ZS6RH
- 12 Jan ZS6LJ
- 13 Liam ZR6RAF, son of Heather and Vincent ZS6BTY
- 16 Tobie, seun van Margriet en Tobie

Lief en Leed | Joys and Sorrows

Andre ZS6GCA was in hospital for an operation

Diary | Dagboek (UTC times)

Apr

04 SARL 80m QSO Party 17:00-20:00

- 06-07 SP DX Contest 15:00-15:00
- 13-14 JIDX CW Contest 07:00-13:00
- 19-20 Holyland DX Contest 21:00-21:00
- 20-21 YU DX Contest 21:00-17:00
- 27-28 10-10 Int. Digital Contest 00:01-23:59
- 27-28 SP DX RTTY Contest 12:00-12:00
- 27-28 Helvetia Contest 13:00-12:59

Snippets | Brokkies



Pat Hawker MBE G3VA, SK

Radio amateurs around the world will be saddened to learn of the death of Pat Hawker MBE, G3VA, on 21 February 2013.

He was 90 years old.

Pat was an amazing person, working with clandestine radio supporting WWII resistance units, but best known for his work with the RSGB conducting the Technical Topics column in Radcom magazine.

That column typically covered a new or interesting tidbit in a few paragraphs, and sometimes a diagram.

Others would have milked it out into a long article, but G3VA was able to distill the necessary information and tell the reader just what he needed to know.

(Ed: If my memory serves me right, he wote numerous articles for Practical Wireless as well)

Anniversaries Apr. Herdenkings

- 06 Lynn and Andre ZS6BRC
- 12 Rika and Errol ZR6VDR (44)
- 30 Joey and Graham ZS6GJR (30)

18 Eric ZS6ME

- 21 Wynand ZS6ARF
- 22 Marieta, sw of Roy ZS6MI
- 25 Gerhard, son of Sander ZS6SSW
- 28 Tracey, daughter of Rita and victor ZS6VG
- 29 Heather, sw of Vincent ZS6BTY
- 30 Robert ZS6PRO

Well done PARC participants!

Results of the 2012

CO WW RTTY DX Contest Number groups after callsigns denote the following: Band, Final Score, QSOs, Countries, Zones, US/VE. An asterisk (*) indicates low power.

		South A	frica			
ZS6RJ	Α	284,672	415	121	60	75
*ZS1JY	Α	53,340	146	56	34	37
*ZS6AKU	28	55,990	187	58	23	29

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Subject of messurement, candi 14 MHz		ALCONC. DUCK												
	reciprocal miking dynamic	reciprocal miking dynamic	20 kHz blocking gein compression	2 kerz blocking gain compression	20 KHz 3rd-order dynamic range	2 kHz 3rd-order dynamic ranos	20 KHz Brd-onder intercept	2 KH2 3nd-onder Intercept	Transmit 3rd-order IMD	Transmit 9m-order DAD	Riv-Tx turmaround time (558 tx delay)	Price in U (2011/20	50 (2) (2)	8
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Transceivers/receivers sorted by 2 kH	z 3rd-order dyn	amic range. Pi	product review	account that the s, due to chan	here might be a pes in the testi	difference in ng methodolo	the numbers w DV, measuremy	men comparin ents filters, etc	g the older pro etera.	oduct reviews	(before Feb	002 VIEN	7) compared to the	c later
1 Yassu FTdx5000D, December 2010	W/N	M/N	- 80 9ET	, 80 9ET	114 dB	114 dB I	-EB 17	1 map dat	1= 80 647	12 dB #1	20 E	\$ 5.5	29 non-v2234	E E
2 2012	N/M	W/W	128 dE	128 68	107 dB	107 Db	+32 dBm	+ 32dBm	N/A.	N/A	M/A	\$	99 November 11340	man
3 Elecraft K3, January 2009	W/W	W/W	142 dB (140 08	106 dB	80 ED1	LED 62+	+28 dBm	80.62-	80 15-	12 MB	\$ 22	00 WWW.electers	man.
4 Elecraft K3, April 2008	W/W	W/N	139 dB	139 dB	103,dB	102 dB	+26 dBm	+26 dBm	-27 dB	89 G5-	20	\$ 22	DO NUMBER AND A	HO
5 Becraft KX3, november 2012	120 dB	114 dB	130 08	128 dB	103 dB	100 dB		+34 dBm	80 OE-	80 SS-	Ë	\$	99 WWW. COCTAT	EB
6 FlexRadio FLEX-5000A, July 2008	WW	WW	123 45	123 48	80 GB	80 66	HBD SE+	H80 08+	-34.08	망려	ë R	\$ 27	99 montheradio	ma.a
7 Tentec 599AT Eagle, August 2011	N/M	MW	136 dB	121 dB	80 86	98 dB	+22 dBm	+22.dBm	5848	89	16 mg	5 17	35 min tentes.	Log
8 Kenwood TS-5905, May 2011	N/M	WW	141 08 1	126.48	ED 8 01	97 dB	+26 dBm	+22 dBm	80.62-	80 G5-	14 ms	\$ T6	19 WINNING MINIOR	d.com
9 Perseus SDR, December 2008	M/M	WW	129 48	89 67 1	100 dB	97 dB	+35 dBm	+35.dBm	A/A	N/A	N/A	91 91	99 NAVA MICTORES	1 may
10 Icom IC-7700, October 2008	M/M	WIN	125 dB	102 dB	106 dB	95 dB	HED SE +	+24dBm	8982-	89 G;	in the	\$ 7.1	79 mm lomamer	10.01
11 Tenfec Orion-II, September 2006	W/W	W/W	136.08	136 dB	92 dB	95 dB	H80 02+	+21 dBm	9987-	8 G-	۲ R	\$ 4.2	35 WWW.Dantec.	LOD
12 Fiex-3000, Oct/Nov 2009	WW	M/N	113 d8	113 dB	80.08	8p 56	+28 dBm	+28.66m	BD OF-	88	12	\$ T.B	99 min fexado	una a
13 Icom IC-7410, October 2011	N/M	W/W	1 80 EPT	111 dB	105 05	88 dB	+ 29 dBm	+ 5 dBm	30 OE-	80 T9-	51 15 21	\$ 19	19 mm/comamer	ica com
14 Icom IC-7600, November 2009	WN	W/N	122 dB	102 dB	80 9 DT	80 dB	WEP TE+	+13 dBm	BD I E-	89	۲ ۲	\$ 49	76 www.comamer	TCS.COM
15 Icom IC-9100, April 2012	80 TOT	77 dB	182 dB (111 dB	308 dB	87 dB	E80 81+	+2 dBm	89.62-	48	8	5 3.6	50 www.coma.man	10.00
16 Icom IC-7800 V2, March 2007	N/M	M/M	144 dB (117 dB	108 dB	86 dB	+38 dBm	+22 dBm	-32 dB	-52 dB	15 ms	\$ 124	99 www.komamer	Ca.com
17 FlexRadio FLEX-1500, December 2011	W/W	W/N	107 dB	107 dB	BP DOT	86 dB	+31 dBm	+13 dBm	-22 dB	887	200 ms	9 5	49 montheredic	ma.a
13 Yassu FTdx9000MP, July 2010	WW	WW	137,dB	102 dB	80.68	85 dB		#10BM	11 80 / 61	1= 8P 52-4	21 LE	\$ 11.6	29 MINUTAREAL	E B
19 TenTec R4020 QRP. February 2011	NW	N/W	NOW	NW	84dB	84 dB	-10 dB	-10 dB	WW	W/W	W/W	\$	49 www.tentec.	mos
20 Tenfec Omni-VII, July 2007	W/W	W/W	30 /E1	134 68	8016	82 dB	H11 dBm	+6,5 dBm	-27 dB	89 55-	E R	\$ 28	95 www.tentec.	moo
21 Icom IC-R9500, January 2008	N/M	WW	144 dB 1	109 dB	5 kHz/9.2 dB	81 dB	+32 dBm	EB97	N/A	N/A	AUA	\$ 17.0	00 www.icomamen	TCo.com
22 Yassu FTdx9000C, March 2006	24/M	N/M	128 dB	97 dB	101 dB	78 dB	+35 dBm	+1 dBm	-34 dB =	12 80 08-	30 W	\$ 5.7	19 WWW YSEEL	E B
23 Yassu FT-450D, November 2011	WW	WN	134 dB	80 88	97 dB	76 dB	+16 dBM	-21 dBm	90 S Z-	昭 民-	17 mg	97 97	-1522 MARINE 66	E B
24 Yassu FT-950, March 2008	NW	WW	128 dB	98 dB	92 dB	71 dB	+21 dBm	4 dBm	-35 dB	80.95-	22 22	\$ 14	19 NYW YSSE	E B
25 Allinco DX-SRBT, June 2011	W/W	M/N	100 dB	83 48	94 dB	70 dB	+1 dB	80 0E-	-2868	80 G.	۲ R	ut ut	19 num 2100.	Hag
26 Yassu FT-20000, October 2007	N/M	N/N	136 dB	87 08	80 86	80 dB	+ 26 dBm	-16 dBm	11 89 17	= 8059-	51 LE	\$ 35	19 NUMBER	E B
27 Icom IC-7 200, June 2009	N/M	W/M	140 dB	83 08	80 6 6	67 dB	+ 23 dBm	-11 dBm	-32 dB	80 85-	an Be	\$ 1.3	96 www.lcoma.meri	HCS.COM
28 Yassu FT-450, December 2007	W/W	W/W	134 dB	90 dB	97 dB	67 dB	HED EI +	mab 16-	80 0 P	89 897	8	N/A	THE POP MUNICI	E
29 Yassu FT-2000, February 2007	N/M	W/W	126 dB	92 dB	95 dB	64 dB	+ 16 dBm	-22 dBm	-32 dB	80 GB-	27 M	\$ 28	19 1011111111111111111111	ma
30 Icom IC-7000, May 2006	W/W	W/N	112 dB	8998	8968	63 dB	W80 9+	-27 dBm	-33dB	89 85-	12 ms	\$ 1.2	19 WWW. COMAMAN	103.00 m

QST Magazing Product Reviews - Key Measurements Summary - HF-Transcelvers or Receivers

Summary of QST rig reviews

from http://www.remeeus.eu/hamradio/pa1hr/productreview.htm

G7FEK Limited Space Antenna

G7FEK Multi-band "Nested Marconi" Antenna (rev 5).

(Abridged version - Get the full .pdf off the net)

This antenna was first conceived as a simple dual band antenna in 1988, in an attempt to achieve sensible dual band operation in a small garden of 14m (46 ft) length. Evolving from a simple end-fed Marconi for 80m, the idea was to use the opposing harmonic relationships of two ¼ wave elements so that they could be fed on odd harmonics without mutual coupling. This principle has been used with nested dipole antennas and other specialist multi-band antennas such as the Cobweb, but because of interaction and coupling issues, it's rarely implemented on end fed wire antennas. With this version of the antenna, interaction between elements and top resonance have been turned to our advantage allowing for excellent multi-band working, while maintaining a useful radiation pattern and efficiency on almost all Amateur Radio bands.



The suggested dimensions provide for low radiation angle (30 to 40 degrees) on all bands except 30m where the antenna acts as a full size horizontal dipole. Low VSWR is achievable on most bands and, with careful construction, up to four bands can be used without ATU. Radiation resistance is in the range 25 to 200 ohms on all bands, ensuring high radiation efficiency, even with moderate earthing arrangements. Unlike the Windom or G5RV, the fundamental bands can be resonated independently.

The G7FEK antenna looks a little like a small, off centre, G5RV. If anyone has tried a G5RV in 46ft of garden you will know that performance is not that great, and the "½ size" G5RV is completely useless on 80 meters. During sunspot minimum, putting out a good signal on 80m can mean the difference between operating HF radio or not, as most other bands are not in good shape. This antenna allows anyone to achieve an effective full size 80m antenna in a small garden with excellent low angle DX performance, closely matching a full size dipole installed at the same height.

So what is it?

The original "Nested Marconi Antenna" was first designed in 1988 and in 2007 the antenna was optimized and tested at sunspot minimum to improve performance and multi-band operation. The difference in feed impedance between

elements determines which element is coupled to the feeder and which element floats, thus automatic band switching occurs without the need for traps. For the higher bands this antenna utilises the odd harmonic resonance of these elements which are also at low impedance. In each case some radiation is coupled from the driven element into the main antenna, producing a useful radiation pattern and omni- directional low angle performance. On 30m, the top horizontal section works as an end fed dipole with 1/4 wave transformer feed, as in the Zeppelin antenna, giving a dipole radiation pattern while assuring a low impedance feed

The dimensions have been carefully optimized for best multi band performance and to maintain a low angle radiation pattern on all bands for best DX working, while taking up only a small physical space.



This design is very easy and cheap to build and unlike many limited space antennas, it works very well on 80 meters, a band that many Radio Amateurs with restricted space have previously been denied.

Aluminium alloys

Aluminium alloys are <u>alloys</u> in which <u>aluminium</u> (AI) is the predominant metal. The typical alloying elements are <u>copper</u>, <u>magnesium</u>, <u>manganese</u>, <u>silicon</u> and <u>zinc</u>. There are two principal classifications, namely <u>casting</u> alloys and wrought alloys, both of which are further subdivided into the categories <u>heat-treatable</u> and non-heat-treatable. About 85% of aluminium is used for wrought products, for example rolled plate, foils and <u>extrusions</u>. Cast aluminium alloys yield cost effective products due to the low melting point, although they generally have lower <u>tensile strengths</u> than wrought alloys.

The most important cast aluminium alloy system is Al-Si, where the high levels of silicon (4.0% to 13%) contribute to give good casting characteristics. Aluminium alloys are widely used in engineering structures and components where light weight or corrosion resistance is required.

Alloys composed mostly of aluminium have been very important in <u>aerospace manufacturing</u> since the introduction of metal skinned aircraft. Aluminium-magnesium alloys are both lighter than other aluminium alloys and much less flammable than alloys that contain a very high percentage of magnesium.

Aluminium alloy surfaces will keep their apparent shine in a dry environment due to the formation of a clear, protective layer of <u>aluminium oxide</u>. In a wet environment, <u>galvanic corrosion</u> can occur when an aluminium alloy is placed in electrical contact with other metals with more negative corrosion potentials than aluminium.

Aluminium alloy compositions are registered with <u>The Aluminum Association</u>. Many organizations publish more specific standards for the manufacture of aluminium alloy, including the <u>Society of Automotive Engineers</u> standards organization, specifically its aerospace standards subgroups, and <u>ASTM International</u>.

Aluminium alloys with a wide range of properties are used in engineering structures. Alloy systems are classified by a number system (<u>ANSI</u>) or by names indicating their main alloying constituents (<u>DIN</u> and <u>ISO</u>). Selecting the right alloy for a given application entails considerations of its <u>tensile strength</u>, <u>density</u>, <u>ductility</u>, formability, workability, <u>weldability</u>, and <u>corrosion</u> resistance, to name a few.

Aluminium alloys typically have an <u>elastic modulus</u> of about 70 <u>GPa</u>, which is about one-third of the elastic modulus of most kinds of <u>steel</u> and <u>steel alloys</u>. Therefore, for a given load, a component or unit made of an aluminium alloy will experience a greater elastic deformation than a steel part of the identical size and shape. Though there are aluminium alloys with somewhat-higher tensile strengths than the commonly used kinds of steel, simply replacing a steel part with an aluminium alloy might lead to problems. An important structural limitation of aluminium alloys is their lower <u>fatigue</u> strength compared to steel. In controlled laboratory conditions, steels display a <u>fatigue limit</u>, which is the stress amplitude below which no failures occur - the metal does not continue to weaken with extended stress cycles. Aluminum alloys do not have this lower fatigue limit and will continue to weaken with continued stress cycles.

Alloy designations

Wrought and cast aluminium alloys use different identification systems. Wrought aluminium is identified with a four digit number which identifies the alloying elements. Cast aluminium alloys use a four to five digit number with a decimal point. The digit in the hundreds place indicates the alloying elements, while the digit after the decimal point indicates the form (cast shape or ingot).

Temper designation

The temper designation follows the cast or wrought designation number with a dash, a letter, and potentially a one to three digit number, e.g. 6061-T6. The definitions for the tempers are:

- -F As fabricated
- -H Strain hardened (cold worked) with or without thermal treatment -H1 Strain hardened without thermal treatment
 - -H2 Strain hardened and partially annealed
 - -H3 Strain hardened and stabilized by low temperature heating Second digit

A second digit denotes the degree of hardness

- **-HX2** = 1/4 hard
- **-HX4** = 1/2 hard
- **-HX6** = 3/4 hard
- **-HX8** = full hard
- -HX9 = extra hard
- -O Full soft (annealed)
- -T Heat treated to produce stable tempers
 - -T1 Cooled from hot working and naturally aged
 - -T2 Cooled from hot working, cold-worked, and naturally aged
 - -T3 Solution heat treated and cold worked
 - -**T4** Solution heat treated and naturally aged

- -T5 Cooled from hot working and artificially aged
- -T51 Stress relieved by stretching
- -T510 No further straightening after stretching
- -T511 Minor straightening after stretching
- -T52 Stress relieved by thermal treatment
- -T6 Solution heat treated and artificially aged
- -T7 Solution heat treated and stabilized
- -T8 Solution heat treated, cold worked, and
- artificially aged

-T9 Solution heat treated, artificially aged, and cold worked

-T10 Cooled from hot working, cold-worked, and artificially aged

-W Solution heat treated only.

Wrought alloys

The International Alloy Designation System is the most widely accepted naming scheme for <u>wrought alloys</u>. Each alloy is given a four-digit number, where the first digit indicates the major alloying elements.

• 1000 series are essentially pure aluminium with a minimum 99% aluminium content by weight and can be work hardened.

- 2000 series are alloyed with *copper*, can be <u>precipitation hardened</u> to strengths comparable to <u>steel</u>. Formerly referred to
 as <u>duralumin</u>, they were once the most common aerospace alloys, but were susceptible to <u>stress corrosion cracking</u> and
 are increasingly replaced by 7000 series in new designs.
- 3000 series are alloyed with *manganese*, and can be <u>work hardened</u>.
- 4000 series are alloyed with *silicon*. They are also known as <u>silumin</u>.
- 5000 series are alloyed with *magnesium*.
- 6000 series are alloyed with *magnesium* and *silicon*, are easy to machine, and can be precipitation hardened, but not to the high strengths that 2000 and 7000 can reach.
- 7000 series are alloyed with *zinc*, and can be precipitation hardened to the highest strengths of any aluminium alloy.
- 8000 series is a category mainly used for <u>lithium</u> alloys. [<u>citation needed</u>]

Named alloys

- Alclad Aluminium sheet formed from high-purity surface layers bonded to high strength aluminium alloy core material
- Birmabright (aluminium, magnesium) a product of The Birmetals Company, basically equivalent to 5251
- <u>Duralumin</u> (copper, aluminium)
- <u>Pandalloy</u> Pratt&Whitney proprietary alloy, supposedly having high strength and superior high temperature performance.
- <u>Magnalium</u>
- <u>Magnox</u> (magnesium, aluminium)
- <u>Silumin</u> (aluminium, silicon)
- <u>Titanal</u> (aluminium, zinc, magnesium, copper, zirconium) a product of <u>Austria Metall AG</u>. Commonly used in high performance sports products, particularly snowboards and skis.
- <u>Y alloy</u>, <u>Hiduminium</u>, <u>R.R. alloys</u>: pre-war <u>nickel-aluminium alloys</u>, used in aerospace and engine pistons, for their ability to retain strength at elevated temperature.

From the above listings there are specific alloys for aerospace and aircraft (typically 7075), marine, cycling and automotive use.

Amateur radio DIY constructors in the US can source 6063-T832 drawn aluminum or 6061-T8 heavy-wall drawn aluminum—both highly resistant to corrosion and stress cracking - as a most reliable alloy. Locally we have less choice. **Pine ZS60B advises as follows: All tubular material - 6063 - T6** (the 6063-T832 used for "booms" overseas are a little lighter and harder)

All solid material for antennas - 6082 - T6 (solid 6081 normally used overseas are a little lighter and harder)

Lots of tech info in these websites: <u>http://eng.sut.ac.th/metal/images/stories/pdf/02</u> <u>Aluminium%20and%20aluminium%20alloy.pdf</u> and <u>http://en.wikipedia.org/wiki/Aluminium_alloy</u>





What you get told at a fleamarket

with translation. Thanks to http://highfields-arc.co.uk/fun/amrad.htm

This rig puts out a BIG signal - It's 50 kHz wide. This is a really good CW rig - It doesn't work on SSB. This is a really good SSB rig - It doesn't work on CW. This is a really good rig - It doesn't work on CW or SSB. The transmitter is outstanding - It doesn't receive. The receiver is really hot - It doesn't transmit. This rig is really hot - It's stolen. It seems to be a vintage regenerative type - It oscillates. I just re-valved it - Got 'em from questionable used valve stock. I just aligned it - The slugs on the transformers are jammed and broken. I don't know if it works - It doesn't work, probably never has. It doesn't chirp - Because it doesn't transmit. The audio sounds great - The mains hum is faithfully reproduced. I just had it serviced - I sprayed WD-40 over all the wiring. It comes with the original box - Just brush out the cat litter. Better buy it now, cause it won't last - Exactly! Sure, it works at full power - It sucks all it can from the wall outlet. This rig has wide frequency coverage - It drifts up and down by 2 MHz. Frequency stability is great - The VFO doesn't work - you'll have to use crystals. Real popular rig in its day - There were whole HF nets on the repair and maintenance problems. RadCom gave this one a really great review - The language broke new ground for profanity. It might need a bit of tweaking - Marconi himself couldn't fix it, much less align it. It was used in government service - It was stored outdoors on a wooden pallet. The dial drive may need lubricating - The gears are stripped and the setscrew's frozen. I plugged it in to check that it lights up - The light came from the two foot high flames. I'm selling it because I have two of them - The working one I'm keeping. You won't find one at a 'better' price - 'Better' defined as solely from the point of view of the seller. This is a collector's item - The manufacturer just went belly up and won't honour the warranty. It came from an SK sale - If you have any problem take it up with the original owner. It worked last time I used it - If it still worked, I'd still be using it. The only lightning damage was a fuse - The only lightning damage I recognised was a fuse. I have the [missing part] somewhere, I'll send it to you, trust me - You'll never see the [missing part]. I'll help you carry it to the car - I'll do anything to unload this pile of ****. It works O.K. on 80 meters - It had some parasitics but I got in and really screwed it up and now I want to unload it. The valves used by this rig are worth the asking price - The rig uses a rare 7360 beam deflection tube for a balanced modulator, but it's blown and you'll spend at least \$80+ to get a new one. This is the rig of my dreams I really wanted one of these as a kid, but now I've got to let it go - As I've gotten older, I've learned what a pile of **** it is. The signal quality of this rig was easily recognisable in its day - The high distortion and bad audio quickly identified this rig. This rig will bring back the feelings and atmosphere of vintage ham gear - The bypass capacitors to the AC line put enough voltage on the chassis to give you a shock in the lips through the microphone, and it smokes so bad when you turn it on that you'll probably start coughing and wheezing. I'd keep this baby, but my wife is making me clean everything out of the shack - I finally got around to giving this thing the proverbial heave-ho.

There are a couple of other people interested in it - Someone looked at it and laughed.

You'd better buy it now, because I'm leaving soon - A previous customer and his BIG brother are heading back toward the table and they aren't smiling.

Long Term HF Propagation Prediction for April 2013 Courtesy ZS6BTY

(see also our website propagation tab)

DX Operating

The graph shows the 4000 km maximum useable frequency (MUF) to the East, North, West and South from Pretoria for the first hop using the F2 layer.

Local Operating

The F2 critical frequency (foF2) is the maximum frequency that will reflect when you transmit straight up. E-layer reflection is not shown.

New Sign For Your front Door

DUE TO THE PRICE INCREAS ON AMMUNITION DO NOT EXPECT A WARNING SHOT ! Thank you for your understanding