

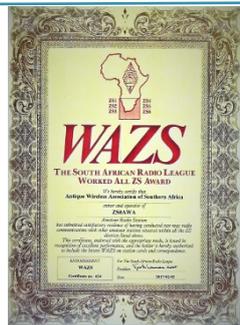


# Newsletter

The Antique Wireless Association of Southern Africa

# 159

October 2019



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### AWA Committee:

- \* President and Western Cape—John ZS1WJ
- \* VicePresident—Renato ZS6REN
- \* Technical Advisor—Rad ZS6RAD
- \* Secretary/PRO—Andy ZS6ADY
- \* KZN—Don ZS5DR
- \* Historian—Oliver ZS6OG
- \* Member—Jacques ZS6JPS

## Reflections:

I have been fortunate enough to have a few week-ends away over the last few months and during these trips it become quite a reality as to how important it is for us humans to communicate with each other.

Whether it be between family or friends, we seem to have that need to be able to communicate.

As such, I realised how privileged I am to be able to communicate over a wide field of friends and family and then to even make new friends almost on a weekly basis. How many times do we in the process of chatting on the radio, have someone who breaks in because they have heard a topic of discussion, or something that is mentioned while they have been listening to your conversation (something us hams tend to do) and you don't know them from a bar of soap.

Pretty soon you have struck up a conversation with them and before you know it you chat on a regular basis. Very often we don't get to meet that person because of distance, but on the odd occasion we do, and that seems to cement the friendship even more.

I would tend to say that those of us who chat on radio, probably have a very much larger and varied circle of friends than do most other people.

We get to know people from such a varied background, from scientists to everyday laymen. From electrical engineers to Dominees, and so it continues. But very seldom does the status or the qualification of the person really matter that much, because we all have something in common, and that is a love for Amateur Radio.

Thank goodness Amateur

Radio has such a wide field of interest, which is why even those who enjoy doing EME, can still be friends with those of us whose interest is in antique equipment.

To me, this is one of the greatest attributes that this hobby has. It attracts people of all ages, of all interests and brings them together under one umbrella with one interest in Amateur radio, no matter what the spectrum is.

As a good friend of mine would say "How awesome is that?"

So to all of you awesome communicators who enjoy ham radio and enjoy just talking and chatting with people, have an awesome communications month until we can communicate again on one of the bands, on one of the frequencies, on one of the modes.

Best 73

DE Andy ZS6ADY

## WIKIPEDIA

**Radio propagation** is the behaviour of radio waves as they travel, or are propagated, from one point to another, or into various parts of the atmosphere. As a form of electromagnetic radiation, like light waves, radio waves are affected by the phenomena of reflection, refraction, diffraction, absorption, polarization, and scattering. Understanding the effects of varying conditions on radio propagation has many practical applications, from choosing frequencies for international shortwave broadcasters, to designing reliable mobile telephone systems, to radio navigation, to operation of radar systems.

At medium wave and shortwave frequencies (MF and HF bands) radio waves can refract from a layer of charged particles (ions) high in the atmosphere, called the ionosphere. This means that radio waves transmitted at an angle into the sky can be reflected back to Earth beyond the horizon, at great distances, even transcontinental distances. This is called skywave propagation. It is used by amateur radio operators to talk to other countries, and shortwave broadcasting stations that broadcast internationally.

Skywave communication is variable, dependent on conditions in the upper atmosphere; it is most reliable at night and in the winter. Due to its unreliability, since the advent of communication satellites in the 1960s, many long range communication needs that previously used skywaves now use satellites.

In addition, there are several less common radio propagation mechanisms, such as tropospheric scattering (troposcatter) and near vertical incidence skywave (NVIS) which are used in specialized communication systems.

## HF Happenings:

### The SARL 80 m Club Sprint

The Contest Committee received 57 logs and one checklog for the 4<sup>th</sup> leg of the 80 m Club Sprint. 900 QSOs are reflected in the 57 logs (897 SSB and 3 CW).

- 1<sup>st</sup> the Boland ARC – 1 287 points (20 logs)
- 2<sup>nd</sup> the West Rand ARC – 868 points (19 logs)
- 3<sup>rd</sup> the Bo-Karoo ARC – 327 points (9 logs)
- 4<sup>th</sup> the Bloemfontein ARC – 176 points (2 logs)
- 5<sup>th</sup> the Hibiscus Coast ARC – 86 points (5 logs)
- 6<sup>th</sup> the Cape Town ARC – 61 points (1 log)
- 7<sup>th</sup> the Namibian ARL – 33 points (1 log)
- 8<sup>th</sup> the Secunda ARC – 22 points (1 log)

#### Overall results

- 1<sup>st</sup> the Boland ARC – 2 397 points
- 2<sup>nd</sup> the West Rand ARC – 2 263 points (-134 points)
- 3<sup>rd</sup> the Bo-Karoo ARC – 1 633 points
- 4<sup>th</sup> the Bloemfontein ARC – 470 points
- 5<sup>th</sup> the Hibiscus Coast ARC – 426 points
- 6<sup>th</sup> the Highway ARC – 416 points
- 7<sup>th</sup> the Midlands ARC – 161 points
- 8<sup>th</sup> the Cape Town ARC – 159 points
- 9<sup>th</sup> the Sandton ARC – 85 points
- 10<sup>th</sup> the Secunda ARC – 54 points
- 11<sup>th</sup> PEARS – 50 points
- 12<sup>th</sup> the Sandringham Scouts – 44 points
- 12<sup>a</sup>th the Namibian ARL – 33 points



### Festival of Frequency Measurement Set to Honour WWV Centennial

HamSCI and the Case Amateur Radio Club of Case Western Reserve University (W8EDU) will sponsor a "Festival of Frequency Measurement" on the day of WWV's centennial, 1 October from 00:00 to 23:59 UTC (starting on Monday evening 30 September in the Americas). The event invites radio amateurs, shortwave listeners, and others capable of making high-quality frequency measurements on HF to participate and publish their data to the HamSCI community on the Zenodo open-data sharing site <https://zenodo.org/communities/hamsci/>.

"Changes in ionospheric electron density caused by space weather and diurnal solar changes are known to cause Doppler shifts on HF ray paths," the event announcement says. "HamSCI's first attempt at a measurement of these Doppler shifts was during the August 2017 total solar eclipse. We plan a careful measurement during the 2024 eclipse."

Some of the questions the research event is hoping to answer include how WWV's 5 MHz propagation path varies over a given calendar day, and how various measurement techniques for understanding the path variations compare. The objectives are to measure Doppler shifts caused by the effect of space weather on the ionosphere, and to use a specified measurement protocol available to Amateur Radio operators and other citizen-scientists. The experiment will use 1 August 2019 (UTC) as a control date.

"The recordings in this experiment are expected to show formations of the D-layer at stations' local sunrise and other daily events of the ionosphere," the announcement said. "Space weather varies day to day and some fea-

### Calendar:

#### October

- 1 – Provincial schools open (*and parents rejoice*)
- 3 – SARL 80 m QSO Party
- 5 – AWA AM Valve QSO Party
- 6 – AWA SSB Valve QSO Party; RSGB DX Contest
- 12 – Spring QRP Contest
- 18 to 20 – Jamboree on the Air
- 19 – RAE and CQ Hou Koers
- 19 and 20 – Worked all Germany contest
- 26 and 27 – CQ WW DX SSB Contest



tures may be prominent. We'll see what we get!"

Full information is on the Festival of Frequency Measurement website <https://hamsci.org/www-centennial-festival-frequency-measurements>.

### **North Korea is said to be testing digital broadcasting on 80 meters**

*Radio World* reports that the People's Democratic Republic of Korea (North Korea) has resumed testing digital radio broadcasting on the 80-metre amateur band after a 2-year absence [www.radioworld.com/news-and-business/north-korea-resumes-drm-broadcasts](http://www.radioworld.com/news-and-business/north-korea-resumes-drm-broadcasts). North Korea is transmitting with the Digital Radio Mondiale (DRM) protocol [www.drm.org/](http://www.drm.org/). The latest transmissions on 3 560 kHz began in mid-August. "It appears unclear at this time, however, whether the current series of transmissions will soon end or be the start of a regular service," *Radio World* said. "According to radio enthusiasts in the region, the signal has been clear and very audible." *Radio World* says Voice of Korea, the North Korean international broadcasting service, has conducted DRM trials off and on since 2012.

### **Last three RSGB 2018 Convention lectures on YouTube**

Three more RSGB 2018 Convention videos have been released to the RSGB YouTube channel at [www.youtube.com/theRSGB](http://www.youtube.com/theRSGB). Rael Paster, M0RTP talks on Magnetic Loop Antennas; Dave Deane, EI9FBB looks at the Irish Islands IOTA Tour of 2018 and Matthew Phillips, G6WPJ examines FreeDV, Digital Voice for HF and other low SNR channels.

There are now over 110 videos on the RSGB YouTube channel, check out [www.youtube.com/theRSGB](http://www.youtube.com/theRSGB)

### **African DX**

*Contacts with stations on the African continent count towards the SARL's All Africa Award ([www.sarl.org.za/public/awards/awards.asp](http://www.sarl.org.za/public/awards/awards.asp))*

Uganda, 5X. Anton, ON6NL, is once again active as 5X8C from Entebbe until 7 October. He is mainly there working and teaching telecom training classes. He hopes to be active in the CQ WW DX RTTY Contest (28 and 29 September), but with a simple setup. QSL via ON6NL, direct, by the Bureau or LoTW.

Tanzania, 5H. Maurizio, IK2GZU will be engaged in charity work for a hospital in Ikelu, Tanzania between 25 September and 28 October and he plans to operate as 5H3MB during his spare time on HF (SSB, CW, RTTY). QSL via ClubLog OQRS, LoTW, eQSL, IK2GZU - direct or the bureau.

African Tour - Kingdom of eSwatini and Lesotho. Pista, HA5AO, is once again active as 3DA0AO from the Kingdom of eSwatini (Swaziland) until 30 September. He will be active from the Mountain Inn Resort at Mbabane. He will use his Elecraft K3S with a KPA500 which is fed into a vertical antenna and will operate on 80 - 10 metres using mainly CW and FT8 on the higher bands. Pista has posted a long update on his Web page detailing some problems he had. His updates, QSL policy, Log search and OQRS are available at <https://www.ha5ao.com>.

Next stop for Pista is Lesotho on 1 October where he plans to stay until 19 October. He will again use the 7P8AO call sign.

Liberia, EL. The Italian DXpedition Team of I1FQH, I1HJT, I2PJA, I2YSB, IK2CIO, IK2CKR, IK2DIA, IK2HKT, IK2RZP, IZ2XAF, and JA3USA is going to put Liberia on the air with five rigs between 30 September and 11 October as A82X (CW, SSB) and A82Z (RTTY/FT8). They will be active on 160 to 10 m. QSL via I2YSB direct. <http://www.i2ysb.com/idt/>

Gabon, TR. Roland, F8EN, (ex-CN8EM/FO8BV/3C3CR/TR50R) will once again be active as TR8CR from Libreville. He will be there sometime at the end of September until 15 December. Activity will start probably early October. Operations will be mainly CW. QSL via F6AJA, direct or by the REF Bureau. The log will be posted on the LNDX Web site at <http://lesnouvellesdx.fr/voirlogs.php>. F6AJA will update when he receives a copy of the log.

## Rescuing the Radio Amateur Club. Nico ZS5NM

The radio amateur fraternity is showing a steady decline in members.

There are numerous reasons but primarily the cell phone is the main cause as it is just too easy to stay in contact and with smartphones social interaction on a group basis is also possible. This fulfills the needs of the majority of people that were previously drawn towards radio communication.

The internet has also removed the need for interaction with other radio amateurs whereas in the past, information was only available from books, or other hams. Now everyone with internet access is an expert.

The radio spectrum has also become congested and new technologies brought in to handle the load on the available bands squeezing out the older wideband users like AM and analogue telephony. In today's high tech world the radio amateur has to be a professional technician to be able to utilise all the modes available. However it is still a hobby and very few actually do radio professionally.

It is clear that the interest and recognition of the average amateur has changed over the years from a hands on interest to a more operator orientated interest. In the past a radio amateur was the person at the forefront of technology capable of building and repairing the equipment he used. With the introduction of surface mount components and processor control this part of the hobby moved beyond the reach of the average amateur.

A working amateur raising a family has very little time to spend on his hobby and would prefer to buy something that works out of the box and then spend quality time learning how to operate it with fellow hams using the same. The older hams especially the ones that are retired and have more time available have a different interest and are primarily centered around preserving old friendships and skills acquired before the new hands-off technology. Older hams invariably end up being museum keepers trying to preserve the past hoping that the next generation will appreciate it.

However by observing the sale of equipment at auction from a silent key, it is evident that very few kids support the lifetime hobby of their parent. Equipment lovingly maintained and operated gets sold for intrinsic scrap value. This is an international trend and has led to the establishment of societies dedicated to saving equipment from this fate. The Antique Wireless Association of Southern Africa being one such group.

However the active members in this group is limited to those that have the time money and most importantly the place to keep such museum pieces. The majority of working class amateurs living in rented accommodation and retirees in old age homes do not have this luxury. A retired amateur or even just a listener will always find a place for a receiver. It might be viable to make loan sets available of antique radios to these retired financially strapped retirees who have the time and interest to preserve a piece of history.

Fitted with a plaque indicating that the radio belongs to the Antique Wireless Association and is to be returned when not needed anymore especially if the user has gone silent and the executor wants to sell everything. This will get the Hallicrafters out and used?

It is clear then for a club to cater for all it has to address many different aspects of the hobby. After the second world war there was a big drive to get as many amateurs on the air as possible and this led to the kit built revolution and home built equipment being featured in magazines and presented at club meets. Clubs bought components jointly and shared knowledge that enabled even the novices to get on the air proudly operating their own built equipment. This basic skill led to the amateurs being able to maintain their own equipment when they started purchasing ready made radios. However when the radios started needing sophisticated test equipment and the frequency tolerances became tighter this was not viable anymore. Also the price of radios from Japan made it possible to own a fully functioning reliable set and gave the operator more time on the air and less time on the work bench. The sad consequence of this is that the more money the ham spends on higher and higher power the more contacts he can make and this almost becomes a profession with the low power amateur being completely ignored by the big boys.

The question is then how to maintain the hobby and cater for all. The survival of the hobby goes back to the original question of getting more hams on air. Obviously going the high tech high power route will exclude a large group. This has led to a renewed interest in QRP sets which are once again available in kit form and is affordable. For the operator with no interest in the technicalities there are vhf/uhf handhelds available at the price of a microphone for an HF radio.

The growth internationally in radio amateur is focused around the digital modes. It enables the hobby to be of practical use in congested bandwidth conditions. This is clearly evident by listening to the amount of digital chatter on all bands in comparison to phone which is few and far between. For the purist coming from a CW background this is just as unintelligible as CW was to the average shortwave listener back in the day. Anything in a code whether it be morse code, a digital code, or even a foreign language is dependent on the sender and the receiver being in the same mode. This has led to a natural polarisation on the band divided into mode segments created by the users that find like minded users. In the past you could scan the frequencies call CQ and you could get a response. This

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**RADIO NEWS**

is not the case anymore now you prearrange via sms to meet on a frequency using a specific mode similar to the calling frequencies agreed as used in the past.

This can be seen by looking at clubs web sites where prearranged time and freq and mode is announced. Without the web notice there would be very little response on the air.

To cater for all is always difficult but considering that there are at least a few members that have similar achievable interests, it is clear that for a club to continue it would have to diversify. The danger in sticking to one interest group only results in alienation of those with different interest. A club is dependent on active members and need to be encouraged and facilitated to get on the air.

Loan radios have been a good tool to get a new member on the air however this has been abused and very seldom offered anymore. Looking at the way that the clubs used to bulk buy kits and components for the members it might be viable for the club to offer such a facility for a basic vhf handheld affordable to a new member. The system of mentorship is also very viable and is applied in the industry where the newcomer is paired with an experienced hand that is willing to share knowledge and possibly equipment on a one on one basis. It is clear that the hobby is dying based on the drop in membership and the average age of the members. It will need some new thinking to save the radio amateur club. It is a fact of life that a gradual change can be done without losing too much speed but as the difference in direction increases it will need more and more effort to change up to the point where the current direction will stop as the majority will be on a different course and a radical direction change will take place or it will just cease to exist. Survival is dependent on adaptation before extinction takes place.

Any comments on the loan of valve receivers to retirees idea?

Thanks  
Nico ZS5NM

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## Notice of AWA AGM

Notice is hereby given of the Antique Wireless Association of Southern Africa Annual General Meeting to be held on Saturday 09 November 2019 commencing at 09:00 at the premises of the SAIEE in Observatory Johannesburg.

All members are invited to attend and join in.

Voting for the next Vice President, President in waiting, will be called for as well as posts for members of the committee as per our Constitution of 2014 (revised).

There will be tables available for a swop and sell and there will be a braai/eyeball QSO afterwards.

Anyone needing to order braai packs please let me know and we will organize them. There will of course be extras available, but if you want to make sure you get one, please pre-order from Andy ZS6ADY.

Should you not be able to attend but would like to put forward any nominations or suggestions for the next year, please email your suggestions to any member of the present committee.

If you are not sure where the SAIEE is, please visit our website and check out the Museum news for directions.

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Help Needed:

I am currently fixing a number of old Chevrolet car radios, 6V. I would like to find out whether there is anybody that perhaps has a good tube tester for sale, or someone who can assist in testing the valves listed

Thank you very much for the assistance. It is much appreciated. See my contact detail below. The valves/ tubes I want to test are:

6SA7

6SK7

6SQ7

6V6GT

0Z4 Rectifier

Tube charts would be welcome.

Kind regards  
Kobus Pretorius  
0828075654

# Antique Wireless Association Valve QSO Party

## 1. Aim

The aim of the AWA Valve QSO party is to create activity on the 40 and 80 metre bands. It is a phone only contest using AM and SSB. Preferably, valve radios or radios with valves in them may be used.

## 2. Date and Time

### 2.1 AM QSO Party

13:00 to 17:00 UTC (15:00 to 19:00 SAST) Saturday 5 October 2019

### 2.2 SSB QSO Party

13:00 to 17:00 UTC (15:00 to 19:00 SAST) Sunday 6 October 2019

## 3. Frequencies

3.1 40 metres: 7 063 to 7 100 kHz and 7 130 to 7 200 kHz

3.2 80 metres: 3 603 to 3 650 kHz

## 4. Power

The output power may not exceed 100 w, unless the rig itself has a higher output power (FTDX400, etc.)

## 5. Exchange

Call sign, RS report, a consecutive serial numbers starting at 001 and the type of radio used, e.g. HT37 TX.

## 6. Scoring (Your radio)

All valve radio: 3 points per contact Hybrid radio: 2 points per contact Solid State Radio: 1 point per contact

## 7. Log Sheets

The log sheets must be submitted by Monday 21 October 2019 to andyzs6ady@vodamail.co.za. Certificates will be awarded to the first three places in each category – AM and SSB

## Low Cost 5-Band SSB-CW Transceiver



HW-100 **\$240<sup>00</sup>** no money dn., \$22 mo.

*The Heathkit HW-100 Five-Band SSB-CW Transceiver  
... with all the features and performance  
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Top View of the HW-100 . . . shows the neat layout provided by the five circuit boards which mount on the top of the chassis. Note the completely enclosed VFO and shielded Final Amplifier.



Bottom View of the HW-100 . . . shows the four vertical circuit boards with band switch wafers and crystals mounted directly on the boards. Final Amplifier bandswitch is located in its own shielded compartment.



Heathkit Equipment / Archive PE1GVK

## SIC TRANSIT GLORIA MUNDI L G Latsky

What drama,  
What trauma,  
Shaken to the core,  
The Museum is no more,  
With vicissitudes galore !

Like Widsith, in the the Anglo-Saxon poem, who was known as a great peregrinator, or wide traveler who unlocked his word hoard(wordhord onleac), the author unlocked his wireless hoard, getting rid of most of it.....a collection garnered through a lifetime of collecting and travelling.

### AVE ATQUE VALE

After 27 years, the 6th of June 2019 saw the final, tragic demise of the Latsky Radio Museum in Van Rhynsdorp, Namaqualand, Cape. Due to age and his wife's serious illness, the curator/owner of the LRM was forced to close shop and say farewell to his beloved collection which had afforded him much pleasure over the years. The collection of about 350+ old wireless sets felt like old friends, but as one grows older, one realises more and more how ephemeral earthly life is and gradually the things of earth start growing strangely dim and one realises that one can take nothing with one on departing this life ! The LRM is gone, but certainly not forgotten !

The small cottage in Church Street, Van Rhynsdorp, housed a lifetime's collection of wireless, radio, electronic and telephone apparatus, including items dating back to before the AB War, WW1, WW2 up to and until around 1965 when the transistor finally pushed the trusty old thermionic valve/tube aside .....someone once said : " there is something very comforting in the benign glow of a valve".....and also : "transistors are so cold and calculating."

Over the past 27 years the LRM was featured on 3 TV programmes and on 7 radio stations which was a source of slight embarrassment to the Curator, since he is a shy, self-effacing guy and not a publicity monger....During this time many interesting people visited the LRM , i.a. A Dutchman, Heer van der Stel, a member of the famous Dutch colonial family. Daniel Hugo of RSG and the actress ,Therese Benade, Nicolas Louw the singer, and Paul Rothman of TV fame etc also popped in. One day a couple of Russian Diplomats from their Embassy visited me and they even understood the few Polish words the Curator spoke ! Over the years about 14 professors, medical doctors and electronic fundis from Sentech, a Spanish Astronomer from the Sutherland Observatory, Dirk Mudge, the politician from the former German SW Africa whose father built the DR Church at Van Rhynsdorp, visited the Museum ! The flower season brought a yearly spate of interesting visitors from all corners of the earth : Hollanders, Germans, Scandinavians, French, English, Italians, Belgians, Americans, Russians, Poles, Arabs, Indians, Orientals etc etc.

HORRIBLE DICTU : Thanks to an occasional klepto tourist , the LRM suffered some minor losses through pilfering, but 99.9% of visitors were extremely decent people !

The precious vd Bijl "peanut valve" miniature triode with its holder was stolen from the show room in the weeks before the LRM finally closed its doors. It had been a gift from the late Keith Whittal of Stutterheim ....an irreplaceable loss indeed, a jewel in the LRM's crown ! On another occasion a knob was lifted from an old table radio on display.....and a lady, no, rather a woman, stole a green pilot light from an old Philips set, leaving a hole, yes, just a hole and it was lifted while the curator was in a store looking for some egg aerial insulators as a gift to her !

SOME HIGHLIGHTS in the collection of mellow memory :

An MCR spy receiver, a Tellurometer, a Racal type 17 receiver, a RS FM receiver ex SABC, Marconi CR100 & CR300 receivers, 8 Marconi R1155 receivers, a T1154 transmitter, 3x PYE type PCR receivers and two Eveready Saucepan radios, a Murphy B40 receiver, An R1155 ex Shackleton of the SAAF, kindly renovated by Richard Dismore and donated by David de Kock,ZS1DDK. Most well known communications receivers were on display : RCA AR88,Hallicrafters SX28, SX25, S38, Echophone EC1, Eddystone 840A & 860, Hammarlund and two Eveready Saucepan radios ex Rhodesia etc. The rest was a motley crew of old table radios, bedside ones in wooden boxes or Bakelite cases.....and of course three of the ubiquitous Type 19 military transceivers, one ex Red Army of WW2 with Roman and Cyrillic labeling !

### THE VALVE COLLECTION

This included i.a. the following : a Fleming Diode of 1904, a Loewe Multirohr which had 3 valves with coupling/decoupling components all sealed into one large glass bottle, a Fleming Diode of 1904, the first valve invented in the world by J A Fleming, a de Forest Audion tube, an R101 vd Bijl "repeater bulb" triode of 1918, a Loewe Multi-

rohr of 1926 = three valves in one glass bottle, a Q valve, a TM tube (Telegraphie Militaire) French WW1 triode, a large 500W Marconi transmitting triode ex Klipheuvell Wireless Beam Station of the GPO. Then there were hundreds of receiving/transmitting valves/tubes: you name it, it was there. The jewels in the collection were 3x vd Bijl "Peanut Valves" of 1918.

### INTERESTING EXHIBITS

WW1 and WW2 apparatus, old Ericsson Telephone in oak box pre AB war, Marconi Xtl set of about 1923, ancient valves, brass Siemens morse key, all shapes and colours of porcelain aerial insulators and of course the 4x R1155 receivers ex RAF and SAAF. Someone who has never owned and operated an R1155 hasn't really lived yet ! Three more old XTL sets and 3 x PCR receivers by PYE/Philips, 2x Eveready Saucepan radios.....ad infinitum etc, etc.

### SALVE ATQUE VALE

Now for a vote of thanks to the following persons :

The many interesting tourists who visited the LRM in the past 27 years, my Son , Piotr, for helping me pack and manhandle heavy objects, his encouragement and friendship, Pieter de Kock, the Technical Adviser to the LRM, for all his help over the years, Baie dankie, Pieter to Prof. Jacques du Plessis, the Legal Adviser of the LRM, and his sage advice, Gratias ago! Marius van Niekerk for Technical Advice, Vele dank, Marius, the Arab, Shawn, for all his trouble in selling many items for me in Cape Town and for the 4 trips he made VRD to CT on behalf of the LRM : Salaam alaikum ! My boyhood mentor, Jimmy Dudgeon, for his friendship and radio aid. The late Jack Ecob of Durban for contributions, John Norman of Durban for friendship and contributions, to Hamrad Pty Ltd for their support from 1948 until now, the late Mr Nicol of Radio Mail Ordes of JHB for, in 1976, selling me an R1155 for R15 ! Also a precious memory : the late viscount Anthonij Sistilha of Capetronics for contributions to the LRM : vele dank, vriend Ton ! Thanks also to David de Kock ZS1DDK for the ex Shackleton R1155 he gave me and Leon Korkie of Worcester for contributions, dankie ! To Dr Knopf of Cape Town for donations : vielen tank Herr Doktor ! Also the late Francois de Villiers of Worcester for items donated. Last, but not least : Thanks to Dr Sydney Smith of Clanwilliam for his friendship and aid , so appreciated Syd.



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Antique Wireless Association  
of Southern Africa

**Mission Statement**

Our aim is to facilitate, generate and maintain an interest in the location, acquisition, repair and use of yesterday's radio's and associated equipment. To encourage all like minded amateurs to do the same thus ensuring the maintenance and preservation of our amateur heritage.

Membership of this group is free and by association. Join by logging in to our website.

**Notices:****Net Times and Frequencies (SAST):**

Saturday 06:00 (04:00 UTC) —AM Net—3615  
Saturday 07:00 (05:00 UTC) —Western Cape SSB Net— 3630  
Saturday 08:30 (06:30 UTC)— National SSB Net— 7140; Sandton repeater 145.700  
Echolink—ZS0AWA-L; ZS6STN-R  
Relay on 3615 for those having difficulty with local skip conditions.  
Saturday 14:00 (12:00 UTC)— CW Net—7020; (3550 after 15 min if band conditions not good on 40)  
Wednesday 19:00 (17:00 UTC) — AM Net—3615, band conditions permitting.

**For Disposal:**

Trio CS1022 20Mhz dual channel Oscilloscope. Seems to work OK but might need a service and/or alignment. Two knobs broken. R200  
Hewlett Packard HP3325 21MHz Waveform/Function Generator. R400. seems to work ok but needs to be checked thoroughly.  
Rohde and Schwarz Polyskop plus some test leads. R200. Good condition but functionality needs to be checked R300

Collins R389/RR, one of approximately only 850 ever made, this rig is part of the R390 family. But it covers 15khz to 1500khz only. Its has two internal motors and 39 valves. Cosmetically mine is a 9/10 in my opinion. Performance is a bit poorer than optimum I think though. Could probably do with a thorough realignment and component check. It does receive stations though. Comes with a manual too. R15000

Prices are negotiable. I live in Cape Town so prefer local interest. Cell 0829945788  
Email: vince999<at>absamail<dot>co<dot>za

**FOR SALE**

RCA Victor Cathedral valve radio. Was working when last in use many years ago. Valves etc complete and in apparent good condition. Asking price R5 000 but open to any offers. Enquiries by email to Gwenda ; [dcaplan@global.co.za](mailto:dcaplan@global.co.za) or 083 414 5400  
Gallo Manor—Sandton



**More items for Disposal:****Barry Maule cell: 0612107421**

ICOM ICR7000; ICOM IC70.

YAESU FRG7; YAESU FR50B.

TRIO 9R59D

GRUNDIG Satellit 6001 (bandswitch faulty)

GRUNDIG Satellit 2000. (bandswitch faulty)

GRUNDIG satellit 600 Professional.

LEAK FM Troughline 3

HEATHKIT PS4 regulated P.S.U.

SONY ICF2001D (faulty SW bands). SONY ICF SW1S in case complete.

R210 military SW RX. modified, without original casing. Works but requires some TLC.

UNAOHM Field Strength Meter EP760HR

UNAOHM Field Strength Meter + Sat converter EP743B

UNAOHM RF Signal Generator EP118 0.1 - 100Mhz.

UNAOHM Sweep Generator EP688A 10 - 2000Mhz.

PROVAVALVOLE model 560. old valve tester.



Telefunken 653 WLK

Bayreuth from 1933.

Murphy A104 from 1946.



Philips V6A Matador II from 1937/38

Philips BIX 85B

Siera SZ1298A/3

Philco 41-712 EZ121

Zenith 6S 541BT; Zenith 5? 642GT; Zenith Trans Oceanic 6A40; Zenith royal 3000.

Philco 16E 121

Wards Airline model

Emerson radio

2x Barlow Wadley XCR30

Bush TR82C

Bush EBS 44

PAILLARD 453Z chassis, needs mains Txfmr.

Old manual coil winder. box of Arduino parts.

Various Radio Books, valve books, Circuit diagrams.

Service manuals, (including Sony, Grundig, and Blaupunkt.)

Lots of spares, including mains transformers, telescopic aerials, old car radio transistors, plugs,