

Highway Hotline - September 2025



From the Editor's desk:



Dear Members,

Here in "VK Land" I felt very remote from the HARC AGM. Fortunately, the new Committee have forwarded Hotline both the Chairman's report as well as the direction that the Committee will steer the Club in the coming year. This coming year promises to be have vibrant Members monthly meetings, full of practical issues. Much appreciated is also the SwopShop report. Both of these articles came with photographs.

This past weekend the weather king treated us well here, winter was clean bowled on Saturday and the weekend foretold of a wonderful Spring. Certainly Spring did not sneak in, oh no it leapt in, and not a moment too soon for us Perthians.

Wednesday 24 sees the last public holiday before the December holidays, then it is really a long haul, just a week short of 3 months with no public holiday! Heritage Day falls on a Wednesday, right in the middle of the week. In addition, this is a special week the beginning weekend has the normal club meeting and the following weekend has the SwopShop. What better excuse than to give the Club Braai Master a chance to show off his skills, and maybe combine that with some Club outdoor radio activity?

As always, looking forward to your response and any articles to be published, which may be sent to hotline@harc.org.za

73's Hettie ZS5BH

Highway Hotline Newsletter

This newsletter is published monthly and distributed to members by email and is available on the H.A.R.C Website. The editor is Hettie Joubert ZS5BH, Cell +61 478 391 336, Email address is hotline@harc.org.za, and physical address is 56 Adlington Way, The Vines, WA6069.

The views expressed in this newsletter do not necessary represent the views of the Committee-Ed (*Hettie*)

Bits and Bobs

Pictured below is a front and rear view of the embroidered HARC Cap. These are available at a price of R131.00 each. We also have our HARC Golf shirts, if you are interested in buying one, please order yours by contacting our PRO Keith ZS5WFD to place your order.

EFT payment into the Club's Account (Account details on Page 9) quoting Cap or Shirt and your callsign as reference, e.g. "Cap ZS5BH" or "Shirt ZS5BH". Keith will let you know when same is ready for collection.



Club News:

At the next month's Club meeting, the new Committee will be formally introduced.



Report from the outgoing Chairman:

My apologies to everyone for not being able to attend the meeting in person. Right now I am on my way to Guangzhou airport in China to fly home.

I would like to take this opportunity to thank Brian ZS5BR for standing in as Ochoa chairman for the last 7 months, especially as the club has been facing some banking challenges.

The start of my stint as chairman started fine, but I did warn the committee that I can spend a large amount of the year out of the country or away from home. Brian initially agreed to stand in when both Dave ZS5CG and I ended up going for back operations at the same time. Taking time off work just meant I had a huge amount of catch up to do as soon as I could travel and Brian had to take up the slack again.

So Brian you have my personal thanks and I am sure the thanks of all the Highway Amateur Radio Club.

I would also like to take the opportunity to thank Keith ZS5WFD for trying to resolve the banking issues we have been having, with both Standard bank and Nedbank. These types of issues take up a lot of personal time and you are at the mercy of the banks.

It appears we are getting acknowledgements from Nedbank regarding our attempt to FICA the clubs bank account, but as yet the account is still frozen. This has limited the club's ability to check statements and transact.

The club has funds in a Standard Bank 32-day call account and in Nedbank. The committee and Keith in particular have been trying to change signatories on these accounts so we can access funds to pay for expensive items like DMR Repeater and upgrading other repeater site etc.

I think a round of thanks must go to Dave ZS5CG for all the effort and time he puts in to keep the clubs' repeater infrastructure up and running. This is a labour of love and in most cases thankless if you consider the amount these repeaters get used. So on behalf of the club thank you Dave.

I would also like to thank the members of our club that stepped forward and helped out financially when things were needed to keep club repeaters on the air and running. I unfortunately don't have the names with me so I Brian or Keith could just mention the members and give a round of thanks.

Lastly I would like to thank all the members of the committee for all the work and effort they have put in during this challenging year, especially as most of this time I have not been available.

Thank You All.
Les Watts ZS5LW

From the Chairman's Chair:

Our AGM last month was very well attended by our members.

The new Committee this year is a lot smaller than what we wanted, however we see a bright future for the Club with many new changes taking shape.

The new Chairman ZS5CG Dave, is being assisted by Alan ZS5AJA as Vice Chairman, Caroline is our secretary, and Chris as treasurer. Superb backing from former committee members will allow us the support we need to prevail.

There are a few hurdles that need to be dealt with, our bank accounts have still not been cleared, however Keith is working on that. Our new banking signatories have been selected.

The Kloof repeater air conditioner replacement was funded by members of Club in the interim, and our SARL Membership was paid by Club members.

Contributors to both the payments were:

Alan ZS5AJA

Derek ZS5DM

Dave ZS5CG

Bernard ZS5BWY

The AGM ended with the usual great food which was supplied by Caroline and enjoyed by everyone.

Club meetings are going to change slightly going forward, there will be a soldering station available for anyone that needs soldering done, from a PL259 to PCB repair there will be someone at every Club get together to help.

Projects, yes Projects we will endeavour to start and finish a new project every month, some will be a surprise, and others will be selected by the Club members.

Our committee will hold monthly meetings and give feedback briefly to members on the day, followed up by an addition to the Hotline where Club matters will be available to all.

Please all members give me feedback on our changes, we are here for you and would sincerely appreciate your feedback.

Dave ZS5CG

The Vice Chairman:

2025/6 promises to be an exciting year for HARC. The recent AGM was a success, with excellent engagement and the proceedings were recorded to ensure minutes can be drafted and circulated as soon as possible to the members. Members questions cut to the heart of what the club needs to do to enhance and advance amateur radio. The incoming committee was unanimously supported and was mandated with the support and inclusion of everyone to ensure these aspirations are achieved. Brian ZS5BR chaired the meeting, and he received special thanks for the professional way he steered proceedings.

Alan ZS5AJA



Random Club Member Photo

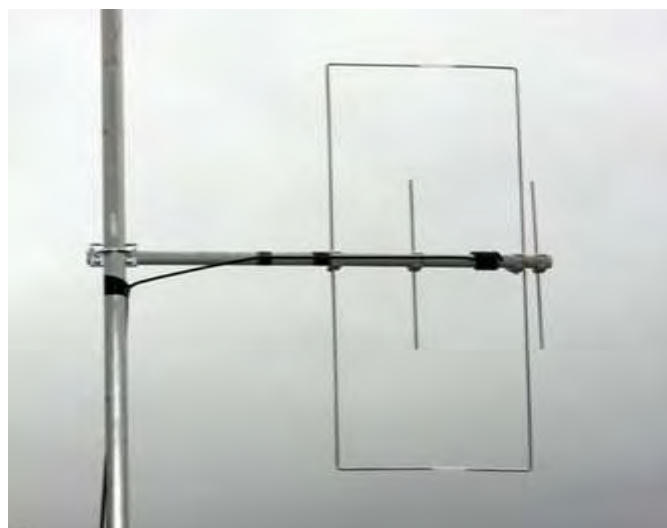
Selwyn ZS5SL enjoying a day out with his QRP radios



Constructors Corner

Article from Pravin ZS5LT

Small Duo Band-Antenna for 2 m and 70 cm by DK7ZB



Sometimes a small two-band directional antenna is the first choice for portable operation or for the balcony under restricted conditions. It is not always possible to accommodate a larger directional antenna. Especially with vertical polarization, the space requirement is small and there may still be an installation option within an existing antenna system. I think with the dimensions presented here, it is certainly the smallest directional antenna for the two amateur bands described so far.

The antenna presented and shown in Fig. 1 is often carried in my car to be QRV with a fishing rod as a support mast. It is a 2-element Moxon yagi for the 2-m-band, which has been supplemented by two further elements to form a dual-band directional antenna for the 70-cm-band. The additional elements are only parasitically fed, the 70 cm radiator is used as an open-sleeve element. The development goal was to have a directional antenna that was as small as possible and that needed only one feed point and only one coax cable.

Physical basics

The 2-element moxon structure for the 2-m-band was created with the help of the small program "Moxgen" [1] by Dan Maguire, AC6LA, and subsequent processing **with** EZNEC +6. The interesting properties of the Moxon beam were discussed in detail in [2]. It has a gain of almost 4 dBd and an excellent f/b of 35 dB.

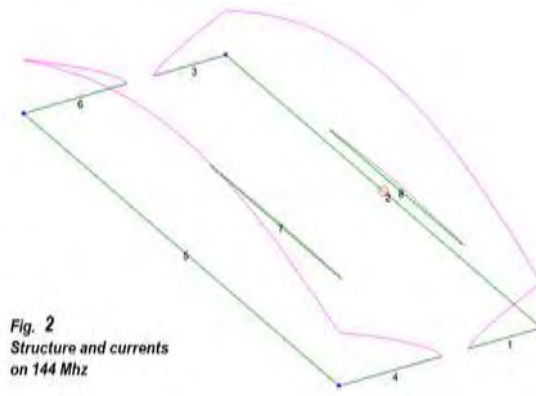


Fig. 2
Structure and currents
on 144 Mhz

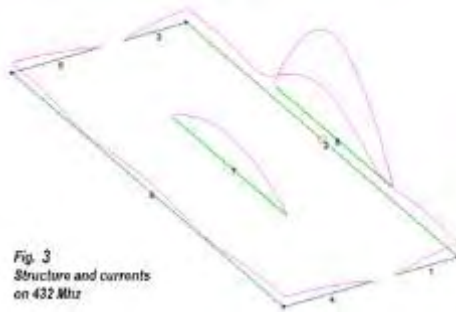


Fig. 3
Structure and currents
on 432 Mhz

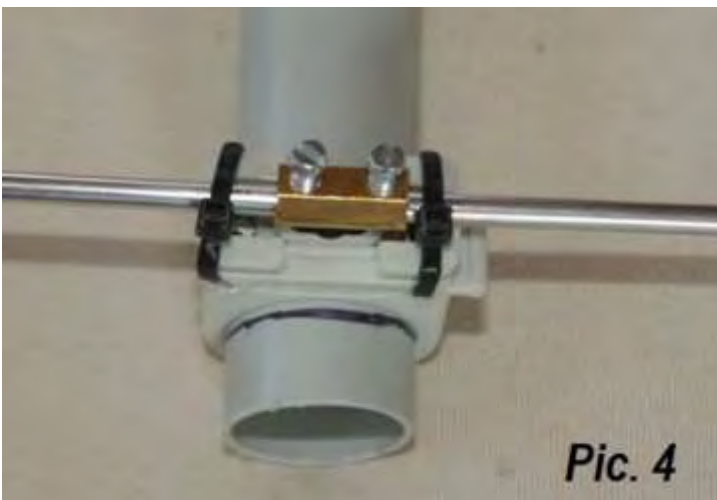
The 2-m-Moxon basic structure also has a $3/2$ -lambda resonance at 70 cm. However, there are three forward lobes that can be bundled into a single lobe when an open-sleeve element is skillfully positioned for 432 MHz. Figure 2 shows the currents when excited at 144.3 MHz, as expected, hardly anything is induced in the 70 cm elements. It looks different at 432 Mhz (picture 3). It can be seen here that the two outer current maxima on the 2 m radiator (wires 1, 2, 3) are suppressed quite well and the current maximum occurs on the open-sleeve element 8. The numbering of the individual sections is referred to in EZNEC as "Wires", this is also indicated in the dimensions.

First of all, I tried to move the 70 cm open-sleeve element inside, which functions as a virtual radiator. This would not have to prolong the boom. Unfortunately, the result was not as good as the expectations, which is why this element was installed in the beam direction in front of the Moxon frame. An additional parasitic reflector brings more gain and a better f/b ratio.

As with the duo-band yagis developed by me for the 2 m and 70 cm bands, the length and distance of the 70 cm open-sleeve element also differ from the dimensions calculated with EZNEC, and the bandwidth is considerably larger than predicted by EZNEC. I have repeatedly stated that open-sleeve elements are usually less critical in practice than in calculations with NEC II.

Mechanical realization

In order to make the antenna as light as possible, the elements were made with 4 mm round aluminum. Aluminum welding rods made of the alloy AlMg3 have proven to be the best. The bars are very stable, but they can still be bent at right angles. Other alloys can be too soft or so brittle that they may break when bending in a vice. The 2 m bars made of 4 mm solid aluminum material offered in hardware stores are also very useful. However, they are often anodized, which is of no importance to us electrically. However, the anodization must be removed at the contact points because it is not conductive



Pic. 4

It is important that the length and distance information according to Tables 1 and 2 refer to the middle of the elements. If you deviate from this, the antenna is quickly up to 1 Mhz away. With a 25 mm PVC installation pipe and the appropriate clamps, a very light and dismountable construction can be created.

Since the reflector length is longer than 1 m, I solved the problem by connecting two halves with a luster terminal. This method is shown in Figure 4. Luster terminals are also available for fastening the rods in the feeding point. For this purpose, the radiator pieces are bent inwards at right angles. The coaxial cable is attached directly without a socket and is wound up into a feeding choke as in Figure 5.

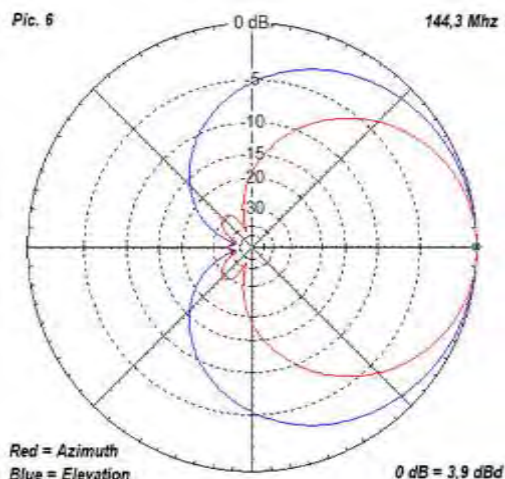


Pic. 5

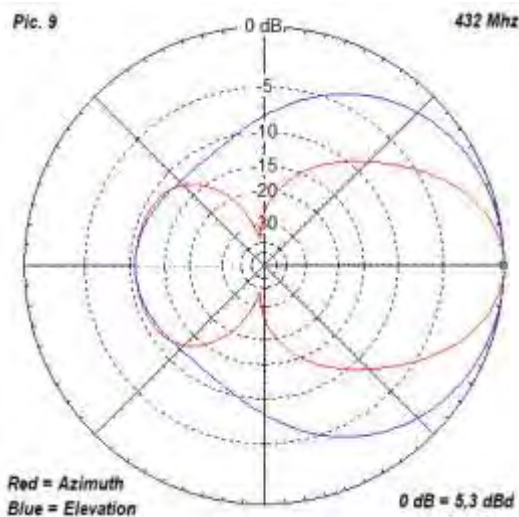
In order to give the frame, the necessary rigidity, I pushed plastic tubes onto the ends of the elements. If the antenna is used for permanent outdoor installation, the feed point must be installed in a box or protected with hot glue.

Results

A possible adjustment is actually only limited to the distance of the 70 cm open sleeve element. If the resonance frequency is slightly too low at 2 m, it can be shifted upwards by a few 100 KHz by moving the Moxon reflector to a somewhat larger distance. This also increases the gap between the element ends somewhat.



The gain on 2 m is 3.9 dBd and thus just below that of the well-known HB9CV. The free space diagrams (Figure 6) show a very large horizontal 3 dB opening angle of 78 ° with a SWR at 144.3 MHz of 1.2 and remains <1.4 throughout the band (Figure 7). At 70 cm, the result for the standing wave ratio is very good, without return in the middle of the band, as shown in Figure 8. The 70 cm azimuth diagram looks somewhat strange (Figure 9). The cause lies in the 3/2-lambda resonance of the Moxon frame, which in part also goes into the directional effect. The gain here is 5.3 dBd.



The extremely high f/b ratio of the Moxon antenna at 2 m is always astonishing. A beacon signal of S9 almost disappears when the antenna is turned 180 °. With the data shown, operation is not only possible in the SSB / CW areas of both bands. Vertical mounting for FM operation is also an option and can be used for this antenna. In this case, the opening angles are extremely large (141 ° and 114 °) and the bandwidth is fully sufficient for both frequency ranges.

I used EZNEC to study the properties of a stacking. A distance of 1.60 m is necessary for 2 m. This is far too large for 70 cm in itself, but the analysis nevertheless shows a gain of 3 dB. If you use 2x 3/4-lambda coax cables with 75 Ohm characteristic impedance, transform them with 9/4-lambda length to 70 cm, so that a stacked version can be used without problems for a two-band operation.

Table 1: Lengths of the Elements

Wires 1 und 3	95 mm
Wire 2	2x 363,5 mm, 18 mm Distance
Wires 4 und 6	138 mm
Wire 5	745 mm
Wire 7	315 mm
Wire 8	313 mm

Table 2: Positions of the Elements

Reflector 2 m	0 mm
Reflector 70 cm	120 mm
Radiator 2 m	280 mm
Open-Sleeve-Radiator 70 cm	302 mm

Swop Shop

Saturdays braai team after Swop Shop, we had a very good attendance to both swop shop and as you see the braai was a great success





Danie ZS4DB (left) and Chan ZS5CV (right)





John Farrer (in blue shirt with is back to the camera (standing next to Henry ZS5HR on his left



Local meeting of the Toyota Venture Appreciation Society





Contest

Results of the ZS5QSO Party held on Sunday 6th July 2025

A total of 25 Logs were received compared to 35 last year. 3 Logs were submitted to the SARL Contest E-Mail address instead of zs5contest@harc.org.za. The SARL were kind enough to forward the Logs to the correct address.

3 Club stations were active: Highway ARC – ZS5HAM, Hibiscus ARC – ZS5HAC and, Midlands ARC – ZS5PMB.

A number of Logs did not include the Town Name for Division 5 stations worked. No penalties were incurred, but in the event of a points tie it would have gone against the log that did not include them.

Once again a number of Logs had the incorrect points multiplier used. Division 5 stations used x1 for other Division 5's worked and x2 for other Divisions, whilst other Divisions used x2 for working a Division 5 station and x1 for other Divisions. Club stations were worth 5 points each.

A copy of these results will be forwarded to all those that submitted log entries. Certificates of Participation will be issued in due course to stations that submitted Logs.



Keith Lowes ZS5WFD
Highway ARC ZS5HAM
Contest Manager

Position	Call-Sign	Name	Points
1	ZS5DCF	Deon Fraser	122
2	ZS6DDT	Dave du Toit	80
3	ZS5WFD	Keith Lowes	71
4	ZS5HAM	Max Rossi	107
5	ZS4AW	Andre Wiese	66
6	ZS5HAC	Dave Duff	65
7	ZS5ZG	Jurie Venter	59
8	ZS6FY	Phillip Fischer	58
9	ZS5GI	Gary Ingle	52
10	ZS5JR	Daniel Hubbard	50
11	ZS5APT	Adele Tyler	49
12	ZS5PMB	Marjoke Schuitemaker	48
13	ZS5AYC	Sid Tyler	47
14	ZS6PVT	Phillip van Tonder	44
15	ZS6KBS	Kobus Kotze	44
16	ZS5PL/6	Peter Leonard	38
17	ZS3WL	Woody Collett	37
18	ZS6ZA	Etienne Niewoudt	32
19	ZR6DM	David MacGregor	26
20	ZS3I	Dennis Green	21
21	ZS5MRB	Martin Blomeyer	20
22	ZS2AAR	Garth Moore	20
23	ZS6WNL	Wallie Lourens	17
24	ZS6JFK	Koos Sheppard	16
25	ZS1SPB	Simon van Blerk	13



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Silent Key – John Fielding ZS5JF

John was born in South London on 28 September 1949 and the family moved to Liverpool in 1961. John arrived in South Africa in 1984. He soon wrote and passed the RAE, obtaining the call-sign ZR5JF, and after passing the CW exam, became ZS5JF.



John was a founder member of the Highway Amateur Radio Club when it was formed in June 1996 and a past Chairman for three terms of office. John also served on the SARL Council as the VHF/UHF Manager. He also represented the SARL at several IARU Region 1 Conferences. He received the JJ Pienaar Trophy in 1987, the Gary Immelman RA Heritage Award Floating Trophy in 1998, the Jack Twine Award in 2003 and the SARL Certificate of Recognition in 2019.

He was an active member of the former Highway Branch and Highway Club's contest team. He had operated from the mountain plateau of Platberg near Harrismith in the Free State and Mt Gilboa in the KZN Midlands running 2M, 6M and 70cm. John's main area of interest was in EME operation and when local RF noise pollution from factories in New Germany became too much, he moved to the more rural area in Monteseel.

I had the pleasure of serving on the Highway Branch and Club committees with John whilst he was living in New Germany and working as an RF Design Engineer for BARCOM, which later became Reutech Defence Industries.

For many years, John co-hosted a weekly "Technical Net" on the 145-650 repeater along with Alvin Common ZS5AES (SK) which attracted very good support, although some of John's explanations tended to go into too much technical detail for some of us mere mortals to absorb!

In addition to his electronic projects, John was an accomplished mechanical and model engineer, with such projects as his Ford GT40 build (assisted by his beloved adopted workshop cat Rascal) John included a picture of Rascal on the car door in appreciation of his efforts. John undertook a number of modifications in his build as he believed it could be done better than the original manufacturer's design! John also turned his hand to model steam engineering and had a long-term project, an NER T Class Locomotive (North Eastern Railway) that he was working on.

John was a prolific author with RSGB book titles such as "Valve Amplifiers Explained", "RF Design Basics", "Power Supply Handbook", "Circuit Overload" and two books titled "Amateur Radio Astronomy". In addition, he also submitted numerous technical articles to the RSGB's RadCom magazine and the SARL for inclusion in Radio ZS.

Whilst John and Laurie Devereux ZS5DL (SK) were both serving on the SARL Council, John used to give Laurie a lift to Div 6. John was an avid fan of Formula1 racing and rally driving and seemed to take on the persona of a Formula 1 driver when he got behind the wheel of his car. Laurie, having served in the SAPS and Durban City Police, must have been involved in his fair share of high-speed car chases, but after one incident where they were involved in an accident, Laurie decided that the Greyhound bus from Durban Station was a safer bet.

In order to add some social balance to his technical hobbies, John and Penny were both "Campanologist's" meaning "Speech on the bells" and used to travel the country to visit churches and cathedrals' to practice their art of Bell Ringing. His local favourite being St Paul's Cathedral in Durban.

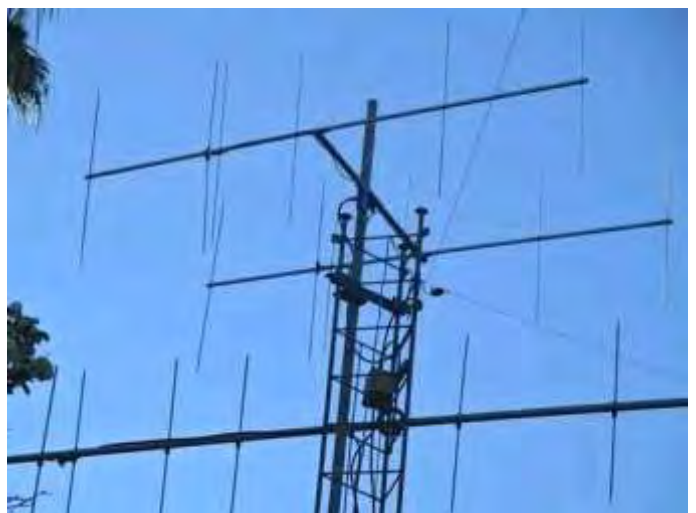
John and Penny returned back to the UK in May 2023 and settled in Melton Mowbray, taking a large container of John's workshop machinery, including his Myford lathe, milling machine and his many projects with them.

Sadly, John was diagnosed with cancer on the 9th of June and lost his battle on 28th June 2025.

Our sincere condolences to Penny, family and friends.



John Fielding ZS5JF latest



John's antenna array at Monteseel that his XYL Penny helped to install



John's XYL Penny with the Ford GT40 on the day it was being loaded to go to the port



Rascal the workshop cat with the Ford GT40



Rascal's picture on the car door to thank him for the work he did on the project



John's steam locomotive project

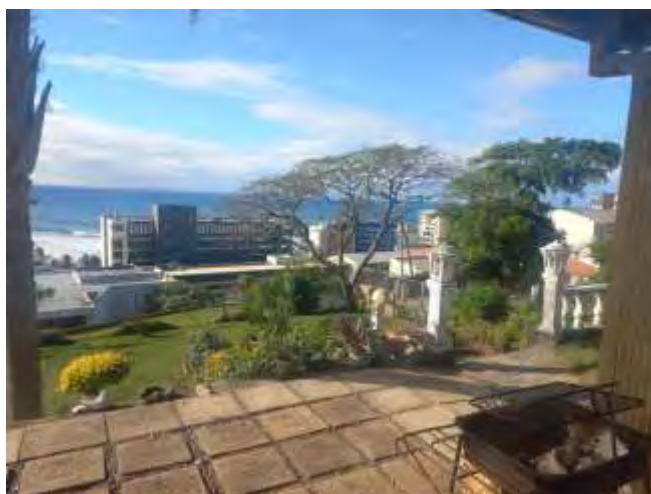


side view of the steam loco project

Cottage in Margate

Special accommodation! Radio amateurs only R200 a night p/p Margate, sleeps 8 people 5 mins walk to main beach, self-catering, has backup power and backup water.

Please contact Dave Duff ZS5CG on 064 160 7246 to book.



Bulletin Presenters



September 2025

07-Sep-25	ZS5BR	Brian Roodt	0828236780
14-Sep-25	ZS5BWY	Bernard Yeadon	0837259710
22-Sep-25	ZS5CG	Dave Duff	0641607246
29-Sep-25	ZS5LT	Pravin Kumar	0824963198

October 2025

05-Oct-25	ZS5ROB	Rob Marshall	05-Oct-25
12-Oct-25	ZS5SL	Selwyn Losinsky	12-Oct-25
19-Oct-25	ZS5WFD	Keith Lowes	19-Oct-25
26-Oct-25	ZS5BR	Brian Roodt	26-Oct-25

The readers will be contacted if there are any changes.

We need more members to assist with the Sunday bulletin reading, the more there are, the less often one has to be available to read! Please let me know if you are available so I can add you to the list.

Birthday Book

September 2025

07-Sep	ZS5TB	Terrance Beveridge
12-Sep	ZS5LT	Pravin Kumar
15-Sep	ZS5CF	Colin Ferguson
15-Sep	ZS5MM	Steven Jordaan
16-Sep	ZS5NM	Nico Dekker
18-Sep	ZS5MAX	Max Rossi
26-Sep	ZS5BR	Brian Roodt
The Chairman, Committee and all the members of HARC join together in wishing you all a very HAPPY BIRTHDAY		

October 2025

02-Oct	ZR5RHS	Robert Suberg
02-Oct	ZS5WI	Willie Axford
08-Oct	ZS5ROB	Robin Marshall
09-Oct	ZR6TWB	Trevor Reynolds
14-Oct	ZS5LA	Rob Cohen
25-Oct	ZS5MN	Heather Nel
29-Oct	ZS5TX	Terry Eaton
31-Oct	ZS5JE	Mark Jerrard



Calendar Events

September 2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31 HARC Bulletin	1 the arrival of the 1820 Settlers in Algoa Bay	2	3	4	5	6 the Region 1 Field Day, SARL National Field Day, SARL VHF/UHF FM Contest and the ZS4SRL Club meeting
7 HARC Bulletin; Total Lunar Eclipse, the Region 1 Field Day, SARL National Field Day and SARL VHF/UHF FM Contest	8	9	10	11	12	13 the European SOTA Day and the Africa FT4 DX Contest
14 HARC Bulletin;	15	16 the start of the SARL 6 m Challenge	17	18	19 registration for the October RAE closes	20 HARC Club Meeting; Spring ZS SOTA activity
21 HARC Bulletin; Spring ZS SOTA activity 	22 Spring Equinox @ 18:17 UTC and Rosh Hashanah	23 National Braai Day and Heritage Day	24 Rosh Hashanah, National Braai Day (Heritage Day) and the Sandton Power Hour Tech Talk 	25	26	27 HARC Swap Shop; the CQ WW RTTY contest
28 HARC Bulletin; the CQ WW RTTY contest & the ZS1 QSO Party 	29	30	1 Yom Kippur	2 Yom Kippur and the SARL 80 m QSO Party	3 Provincial schools close	4 the ZS4SRL SRL Club meeting

Highway Amateur Radio Club Information

Banking Details

Please note: All payments by Bank Deposit or EFT. A copy of proof of payment must be sent to The Treasurer at treasurer@harc.org.za

HARC Banking Details: Nedbank Pinetown: Account Number 2004975946, Transmission Account, ACB Code: 198765, Swift Code: NEDSZAJJ. **Please quote your callsign as reference.**



Meetings

The Club holds their monthly meeting on the 3rd Saturday of the month (at 10h00 for 10h30), at the New Germany Sports Club, 2 Harvey Road, New Germany 3620. A Swap Shop is held on last Saturday of month at the New Germany Nature Reserve, access from Gilbert Drive off Mountain Ridge Road, starting at 10h30.

Visitors are welcome to attend all our functions.

The Committee holds its meetings on the second Thursday of every month starting at 19h00.

Bulletins

The Club's weekly bulletin is broadcast every Sunday morning at 07h45 on the Highway repeater(145.7625Mhz). HARC Sunday Bulletin the 40m link is activated at call in on the frequency of 7.130mhz the link is interactive [call in on 40m before 2m], the 439.025 link is also available.

The KZN Hamnet bulletin can be heard every Sunday of the month at 07h00 on the Highway repeater (145.7625Mhz), with a link onto 439.025mhz 88.5 tone [simplex].

The S.A.R.L weekly bulletin (in English) is relayed on the Durban repeater (145.650Mhz) at 08h30 on a Sunday morning.

Amateur Radio Nets

The Early Bird Net, a net of long-standing starts at 06h00 on a frequency 3.650 Mhz. and continues until 07h40.

Interest Group nets are conducted in the evenings. They are:

Mondays	19h30	AR and WIA News line, by Dave/ZS5CG on 145.7625Mhz with a link onto 439.025mhz 88.5 tone [simplex]
Tuesdays	19h30	DMR-ZA Net currently hosted by Brian/ZS5BR
Wednesday	19h30	Hamnet Indaba hosted by Keith/ZS5WFD on 145.7625Mhz with a link onto 439.025mhz 88.5 tone [simplex]
Thursdays	19h30	4 Metre Net – You can find us on 70.200 Mhz FM with a link onto the 145.7625 repeater, and onto the 439.025mhz link with a tone of 88.5
Saturdays	18h00	World DMR Net Call in, on Talk Group 91
Sundays 06h00		See <u>Amateur Radio Nets</u> above.
Sundays 07h45		HARC Sunday Bulletin + see <u>Bulletins</u> above.

Snippets: Talk groups of interest: DMR, Echolink & Zello

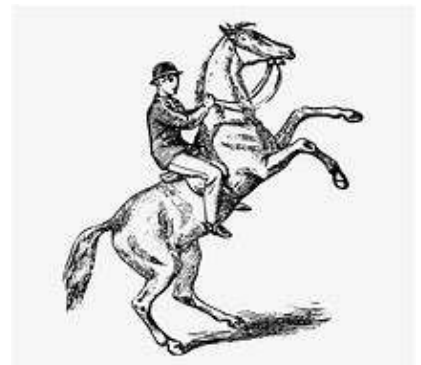
1. Talk Group 3150174 World Wide Ragchew Net, also on Zello Ch: GBZN-Repeater, on Sundays at 16h00 UTC
2. Talk Group 6558 Western Cape Hamnet Net, or on echolink node ZS1DCC-R, on the 2nd & 3rd + Wednesdays of the month at 19h30.

Club Committee: harc@harc.org.za; committee@harc.org.za

Chairman	Dave Duff, ZS5CG
Vice Chairman	Alan Aitken, ZS5AJA
Secretary	Caroline Smith secretary@harc.org.za
Treasurer	Chris Williams ZS5W treasurer@harc.org.za
Members	

Financial Certifier Chris Williams ZS5W

Portfolios: The following are to be contacted with regards to all the following portfolios



Portfolios:

Repeater Custodians
 Repeater Licenses
 Website & Email Infrastructure
 Contests
 Technical
 RAE
 PRO (Image)
 Bulletins
 HF assessors for RAE
 QSL Manager
 Meetings Organiser
 Club Constitution
 Hotline Editor
 Assisting DSTAR/DMR
 Club History
 Club Database
 SARL Liaison
 Bank Signatories
 RAE Examination Invigilator
 Events

Name:

Dave Duff, ZS5CG, Sub Committee Repeaters
 Secretary / Treasurer
 Brad Phillips ZS5Z webmaster@harc.org.za
 Keith ZS5WFD
 Dave Duff, ZS5CG, Rob ZS5ROB
 Committee

 Hettie ZS5BH
 Keith ZS5WFD, Dave ZS5CG, Pravin ZS5LT
 Keith ZS5WFD
 Secretary
 Committee
 Hettie ZS5BH hotline@harc.org.za +61 478 391 336
 Brian Roodt ZS5BR
 Committee
 Secretary / Treasurer
 Secretary
 Keith ZS5WFD, Bruce ZS5XT
 Rob ZS5ROB

HARC Repeater Information

VHF Beacon: 144.420Mhz, 20W, 6-Element Quad, Pointing to JHB Div6, QTH of ZS5KT: KG50ME - Not Operational

APRS: 144.800 MHz, ZS0PMB-7 is the Durban-Bluff based Digipeater - Not Operational

DMR Repeater: Kloof UHF Repeater – 438.200 Mhz (Rptr Tx) - 7.6 Mhz Split
 Also chat on DMR 432.500 & 432.525 Simplex - Operational

VHF Repeater: Kloof Hillcrest: 145.7625rx 145.1625tx tone 88.5 - Operational

UHF Simplex Link Durban Central:439.025MHZ Tone 88.5 - Operational
 Links to Kloof Hillcrest 145.7625 Repeater for the Greater Durban Area
 Bothas Hill 4M Link 70.200MHZ Simplex No Tone Links to 145.7625 Repeater - Operational

Durban Repeater: Based at Bluff 145.650MHZ RX 145.050TX Tone 88.5 - Operational

Full Duplex HF to VHF Link Operational for our Sunday Bulletins at 07H40 and Emergency Communications usually on 7.145MHZ
 This link is operational through the Kloof Hillcrest Repeater - Operational

Internet Web Site Addresses

South African Radio League: <https://mysarl.org.za/>

Highway Amateur Radio Club: <http://www.harc.org.za> The Webmaster is Brad Phillips (ZS5Z)

HARC Online Swop Shop: <https://harc.org.za/swopshop/>

E-Mail Address of the Club. harc@harc.org.za

HARC Facebook page: <https://www.facebook.com/groups/298581387576/>

