

QAV

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Newsletter of the Harwell Amateur Radio Society.

www.g3pia.net

Affiliated to the Radio Society of Great Britain.

Chairman's Annual Report

This year we have brought the 2025 AGM back into December in order that it aligns with the HARS constitution.

What follows is a brief resumé of club meetings and activities during 2025.

January: The annual general meeting was held where we welcomed two new committee members Neil G4BRK and Ian G4BYR who replaced the two retiring members David M0IXP and Howard M0JWC.

February: At the meeting the construction contest was held, this year with six entries, Ron, G0BNC with an RF field strength meter, Rob M0FXX 13cm transverter system, Neil G4BRK 6/4m dual band power amplifier, Dave G8DVK with the GPS derived reference oscillator, Mike G8CUL with a large character display to supplement his original GPSDO and Mike G0MJW the BATC tuner system. The New Year's Lunch took place on Saturday the 8th at the Fleur de Lys in East Hagbourne. A wide selection of food was available in a warm and friendly atmosphere.

March: At the meeting, we held a well-attended Flea market (junk sale). As usual items being sold produced interesting talking points.

April: The originally scheduled meeting subject had to be cancelled due to the nonavailability of the speakers and so it became a general natter night.

May: At the meeting, Ann G8NVI gave a CPR demonstration/practise session for those that were interested at the Club meeting.

June: At the meeting, Rob M0FXX gave a splendid talk about his recent visit to the 20th Word Wide EME conference held in the USA. The club held the usual summer Barbeque at Chilton village hall on Saturday the 7th. Although not particularly well attended this year due to several members being away, good food and friends made for a very pleasant afternoon.

July: We were due to discuss the VHF NFD arrangements at the meeting, but this however became a general natter night due to the cancellation of our participation in the multi station section. The committee had decided that this contest has become less interesting than in years past. For example, a few years ago 2m stations were working 600 – 700 contacts over the twenty-four hours, last year we worked less than 150! A lot of effort is required to erect 4 stations with little return when considering stations work over 100 contacts in the Tuesday evening two-and-a-half-hour contest on 2m! A few members did however venture out to operate the 6/4m section from our site on Hagbourne Hill.

August: We don't usually hold a meeting as many members would be on holiday.

September: The monthly meeting was unfortunately cancelled due to the lack of supporting members.

October: Planning for CQWW took place at the monthly meeting. The club also provided support for the 'Jamboree On The Air' (JOTA), in mid October, at the village hall. We operated the ARRL CQWW SSB contest over the weekend 25th – 26th October from Chilton village hall. Operation mainly on 80m and 20m – 10m. The stations were intended to provide an insight to members who were not familiar with contesting. Demonstrating relatively simple approach including using the popular N1MM contest logging system.

November: A show and tell evening was held at the meeting, opening with Jamie G8RIA's 3D printed radio enclosure he designed to fit into a locker of his motorhome. Rob M0FXX showed his complete 13cm system including the dish. Ann G8NVI provided a talk accompanied with pictures of the HAM EXPO exhibition held very close to the famous racing circuit at Le Man in France. Richard G0REL demonstrated his multi coloured LED light project he designed for a scouting event.

One of the radio events that generated significant interest and activity during the year was 'Le Tatty Piece de Papier' award. This event organised by Ann F4VSO and Mike F4VRB was held in late August/September from their home in France with operation on HF VHF and UHF where members collect points for contacts made. Every entrant received a packet of French biscuits and a bottle of wine for the overall winner. Thanks Ann & Mike for this fun event.

The HF club nets have continued throughout the year on Wednesday afternoons and Friday evenings, details are published in QAV and via the HARS groups.IO. 3 weekly zoom meetings are organised and also a monthly Coffee shop meeting at Millets Farm

As usual I would like to thank the outgoing committee for their commitment and time given to keep the affairs of the club running smoothly. A special thanks to the officers, Ann G8NVI for secretarial, financial, and contest manager. Angus

G0UGO for financial duties, booking secretary and Zoom manager etc, and Ian G4BYR for the production of the committee meeting minutes.

Many thanks to Mike G8CUL who, although not a committee member gives up considerable time to edit and produce the HARS monthly QAV publication.

There is now a very special thanks to Angus G0UGO who, after 20 years of service on the committee is stepping down. Angus has always been the one who would keep the rest of the committee in line, encouraging use of the correct procedures. Due to the large number of pens Angus distributes he will also be remembered as 'Angus the pen'. No doubt he will still be looking to move them on during club nights and other events HARS hosts.

I take this opportunity to wish you all a very **Merry Christmas and Happy New Year.**

73 Dave G8DVK

A Real Coffee Shop Visit!

Report by John, G6LNU

The following members attended the Coffee shop meeting at Millett's: on Friday 21st November

Paul, 2E0JQT, (*now M8JQT! - Ed*).

Lea,

Marian, 2E0LNU,

Ron, G0BNC,

Val,

Derek, G0MGZ,

Trixie,

Angus, G0UGO,

Colin, G3NNG,

Neil, G4BRK,

Ian, G4BYR,

John, G6LNU,

Mike, G8CUL,

Ann, G8NVI,

Jamie, G8RIA,

Jeff, M0UHF,

David, M6YHS.

The next coffee shop will be on December 19th, probably at the Flower Market Café located in Webbs Garden Centre at Millets. Details to be confirmed.

RadioActivity

Neil, G4BRK - I dabbled in the ARRL EME contest second 1.3GHz and down weekend (8-9 November) using my tropo system, 300W/36el with no elevation. The moon window is limited to when the moon is low enough at moonrise or moonset. In practice I can get signals until the moon is up about 7 degrees or so. My preamp is in the shack and there is quite a bit of noisy foliage in the yagi pattern, which means I am quite deaf compared to stations with dishes or elevation. I tried calling CQ and was spotted on LiveCQ by RD4D. I couldn't decode him at first despite his higher power but after a while I started getting decodes and managed to make a QSO. I worked 4 other stations too, which was quite pleasing given my setup. These were all using the WSJT-X mode Q65.

ChatGPT helped me create a server program written in Python to take logged QSO spots from my N1MM+ contest logger and write them in a file in .adi format. This file is watched by my usual logging program (VQLog) and new contacts are added to my main log automatically. This works in the same way as having VQLog watch the WSJT-X log file. This saves me the job of converting and importing after each contest - a real time saver. I managed to make it start automatically whenever I start N1MM+.

I finally got round to fixing my 6/4m PA. It looks like I lost just one of the 2 MRF300 PA devices after a bad SWR incident in which the protection didn't cope. I'm now getting 400W out again on 6m and the SWR protection appears to be working better after

adjusting the sensitivity. I need to do a bit more testing before I really trust that it is fixed.

My 80m inverted-V was converted into an end-fed 0.3 wavelength for the 160m contest season, which includes the Club Calls and 2nd 1.8MHz contest. There was a good club turnout in the Club Calls, so we had a full team of 4 in this for the Affiliated Societies Superleague. Results are now out and the team managed 3rd place in the general clubs section, the same as last year.

In the 3 hour 2nd 1.8MHz contest (CW) we had a conflicting village event and I eventually got on the air 43 minutes before the end, after a couple of pints of beer and a glass of wine. Everyone wanted to work me of course and I was pleased to make 57 QSOs before the end. I was wondering if the "lubrication" helped my CW flow or caused lots of errors, but the results just arrived and show I didn't lose any QSOs in adjudication. This put me in 10th place, or 3rd of the 100W operators.

The UKEI DX SSB contest was good fun and I managed to get placed as 2nd UK/EI station in the 12h low power (100W) section. As well as the two 24h contests each year the UKEICC run a series of 1 hour evening contests on 80m during the year. These are a bit less manic than the RSGB 80m events and the provisional results usually come out within 90 minutes of the end of the contest. Details (if you aren't suffering from contest overload) at <https://www.ukaicc.com/80m-rules.php>

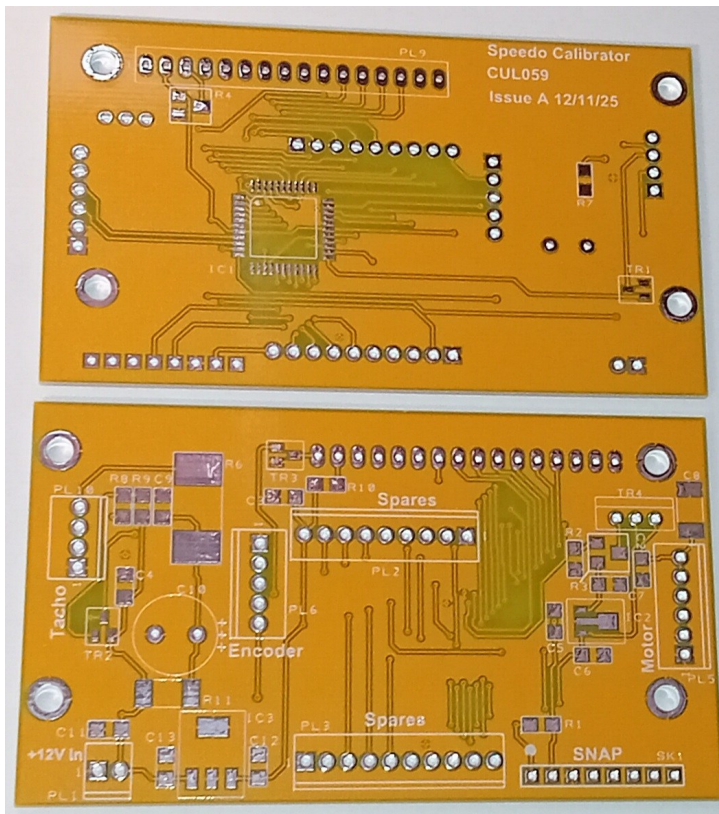
Ann, G8NVI & Mike, G8CUL - The new PCB I designed for the speedo and tachometer calibrator is now complete and the PCBs themselves

have been shipped. I am awaiting the delivery from China, hopefully in the next week or so. I have created a parts list for the board which contains a number of items that I don't keep in stock. These days I usually only design using Surface Mount components so I keep a stock of all the usual 1206 size resistor values in the E12 range and also a smaller variety of 1206 size capacitors. There are of course some 'special' components needed which are not 'in stock' with me. It is becoming increasingly common for simple components being not in stock with the usual suppliers - or they only want to sell you 5000 of them! That's a bit too much, even for me. Anyway after searching around I have managed to

get some of these other components. So, as soon as the boards arrive I can start assembling 1 or 2 of them.

Then I need to create the firmware which needs to act on inputs from the rotary encoder and drive the 2 line X 16 character display and of course drive the stepper motor (for the speedo) and voltage/current pulse (for the tacho). It will be interesting to see if it all works OK!

The boards have arrived this morning while I was working on this issue of QAV. I'd better get the kit of parts ready and the soldering iron warmed up!



Top and bottom faces of the new boards—with surface mount components on both sides!

Filters to cut inter-station interference in CQWW 2025

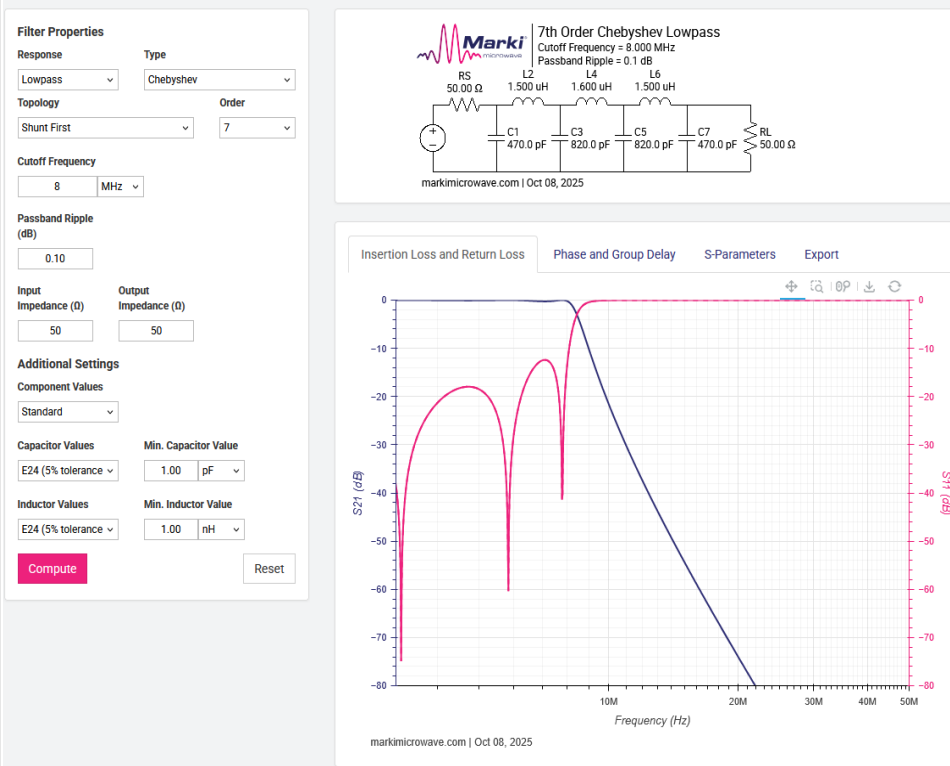
By Neil, G4BRK

LPF for lower bands

I found a nice LC Filter Design Tool at-

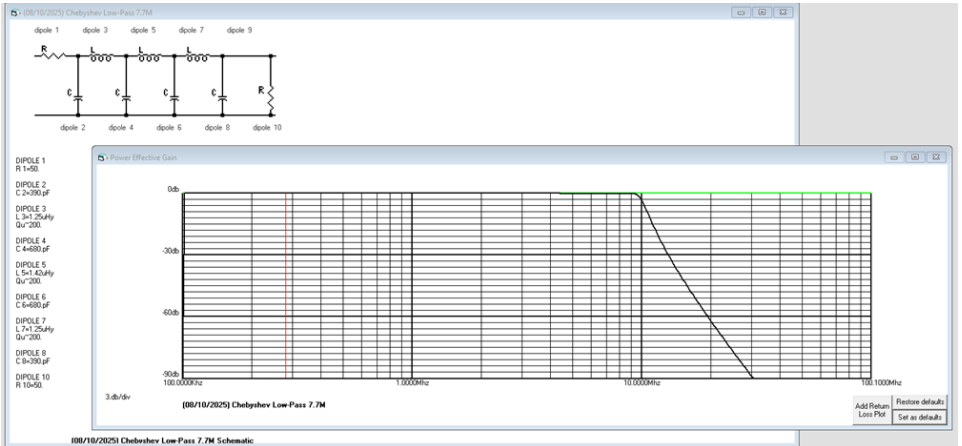
<https://markimicrowave.com/technical-resources/tools/lc-filter-design-tool/>

This allows you to request standard component values, which is quite handy.



Alternatively I have often used AADE filter software, hosted here - <http://www.ke5fx.com/aadeflt.htm>

This created values of $C1 + C7 = 390\text{pF}$, $C3 + C5 = 680\text{pF}$, $L2 + L6 = 1.25\mu\text{H}$, $L4 = 1.42\mu\text{H}$

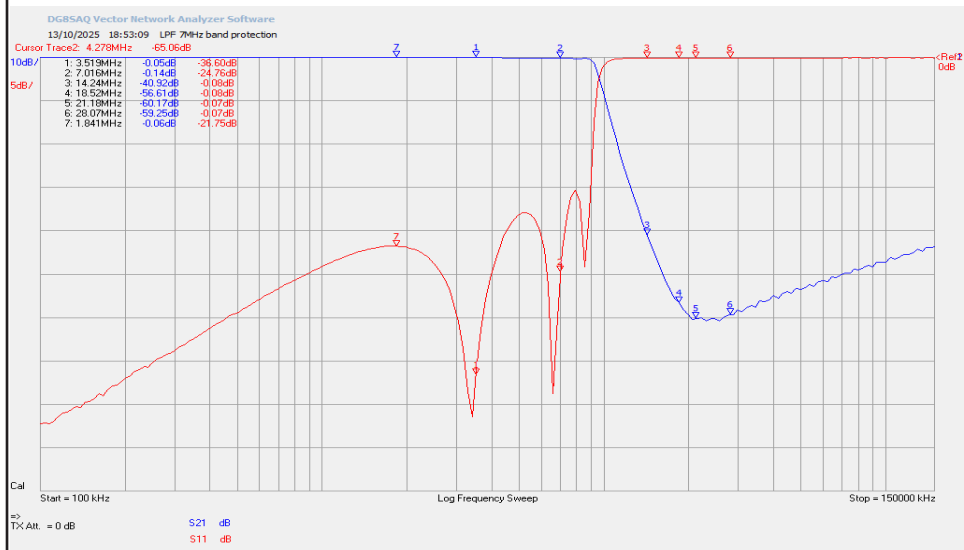


I made this version using this toroid calculator:

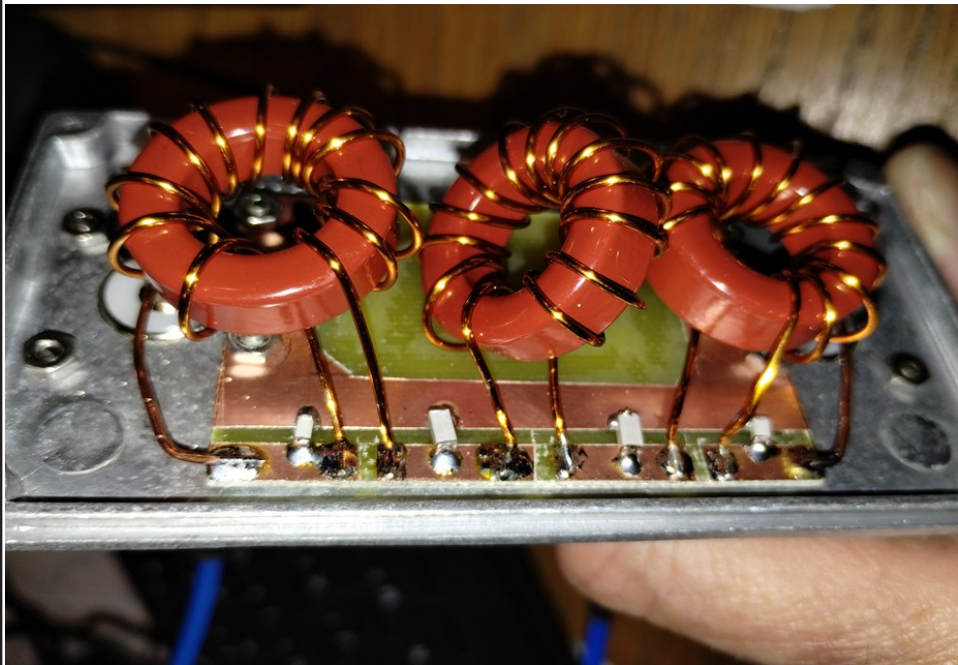
https://www.changpuak.ch/electronics/amidon_toroid_calculator.php

The screenshot shows a web-based toroid calculator interface. The input fields are: Inductance [μH] = 1.25, Core Size = T-94, Material = 2 (red) :: μ=10. The CALCULATE button is highlighted. The output fields are: Inductance [μH] = 1.210, Turns [1] = 12, Toroid Diameter [mm] = 23.9, Frequency Range = 2 - 30 MHz, AL [μH/100 turns] = 84. There are also buttons for + 1 TURN and - 1 TURN. A text box on the right contains the following information: 12T of 1mm wire on T94-2 gave 1.35uH, 13T of 1mm wire on T94-2 gave 1.56uH.

These were close enough to get this nice VNWA plot:



This is the filter before putting the lid on:

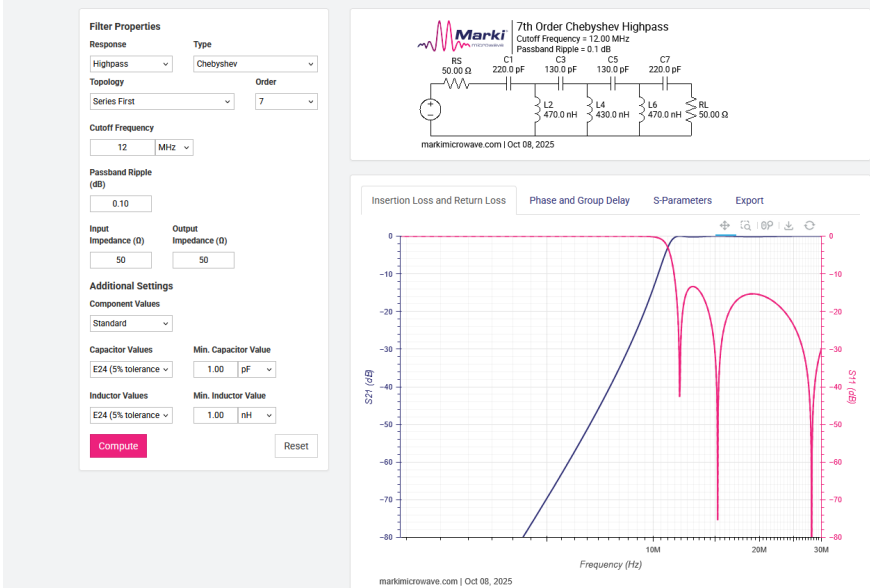


HPF for higher bands



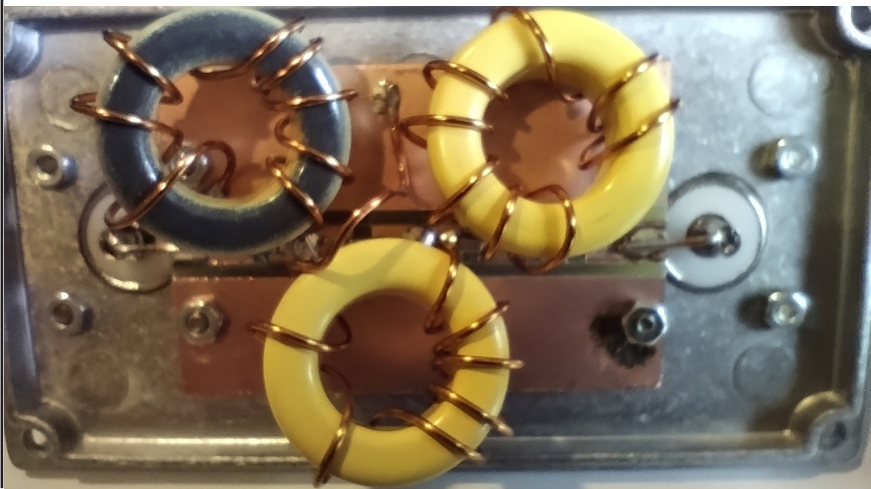
Waveguide Connectorized Surface Mount Bare Die Space & Hi-Rel Test

late LC filters circuit values with low-pass, high-pass, band-pass, or band-stop response. Select Chebyshev, Elliptic, Butterworth or Bessel filter type, with filter order up to 20, and t impedances.

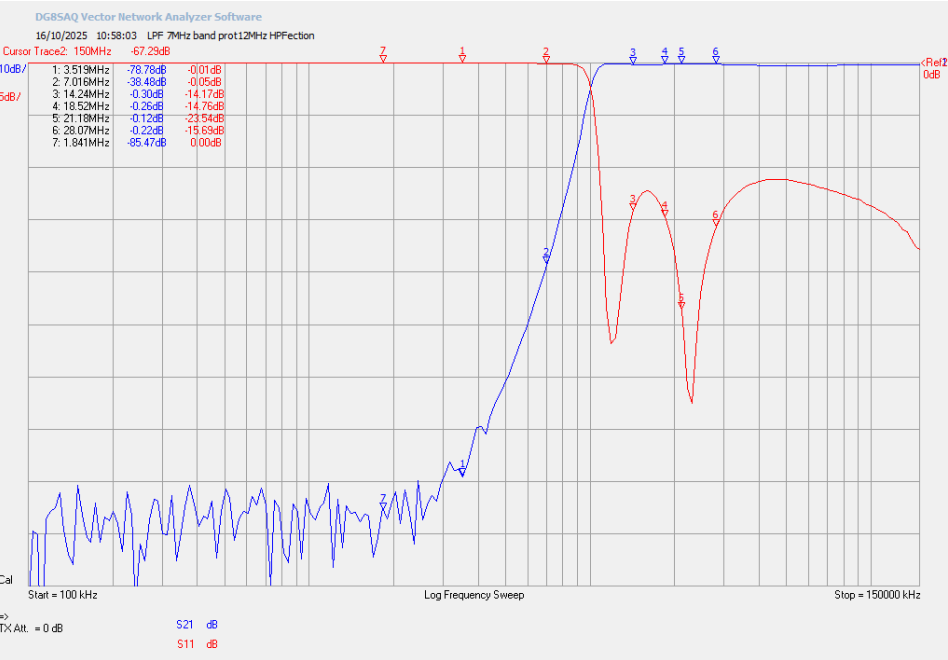


I used 220pF for C1, C7 and 120pF for C3, C5. The inductors were 8T and 7T on T94-6, they came out a little high in inductance.

Pre-boxing picture:



Here is the VNWA plot.
The 14MHz loss is a little high, equating to about 7W on a 100W TX, which would be more like 2W on SSB contest duty cycle:



Both these filters were used for the two M3P CQWW SSB stations in Chilton Village Hall, 25-26th October 2025. The LPF on the 80/40m station at 200W, the HPF on the 20/15/10m station at 100W. No inter-station interference was noticed, but we didn't run a test to see if there was interference without the filters.

More notes from a Newbie

By Paul, M8JQT

Oh OFCOM, OFCOM, OFCOM – how thee vex me!

I got my Intermediate Call Sign Updated this month. Welcome M8JQT goodbye 2E0JQT AND goodbye M7FGX. Yes, I have had to say good bye to my trusty Foundation call sign, M7FGX. It's a shame as I would have liked to have upgraded it to M8FGX, but no, 'twas not to be due to the vagaries of the OFCOM website which appears to be to be about as friendly as a grumpy teenager coming down stairs for an early breakfast after a bad night's sleep (not that I have any experience of that – honest!!). It was also goodbye to my 2E0 prefix, but I wasn't that upset about that at all!

So, I'm now just plain old, M8JQT – nothing more, nothing less!

My Full Licence preparation continues. It now feels like the end of the course is in sight. Only four more "Quizzes" (aka, mini-exams) and three more tutorials to go. Funnily enough writing that down makes it feel like there is more to go than I thought, but its felt like a long course.

I will soon be attending their "Practical Day" where we will be doing various practical exercises. Apparently we will be looking at;

- AC Volts on an RC circuit,
- Superhet Frequencies,
- Impedance Transformers,
- Using Transverters,
- SSB Power Measurement and
- Spot the Filter (whatever that means!).



I had asked for a session on measuring the effectiveness of simple Choke Baluns but this proved to be a bit controversial and beyond the scope of the course – shame! Can anyone out there help me?

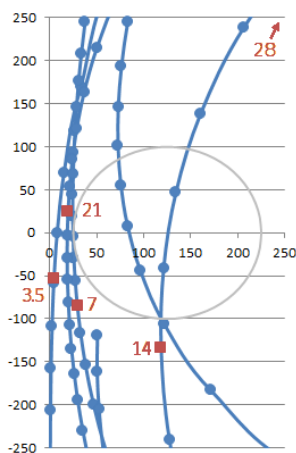
Cheers, Paul
M8JQT
M7FGX
2E0JQT

G5RV - A multiband twin-line fed dipole - part 2

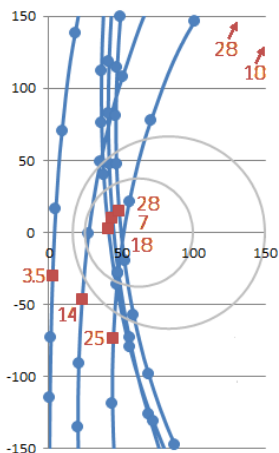
by Richard, G0REL

While preparing the article for last month's QAV, I re-read the articles written by G5RV and ZS6BKW [1 - 4] and was encouraged to calculate the input impedance for dipole and feeder length pairs for myself. Lacking the computer power and graphics capability clearly available to AA1LL, I decided to use EZNEC to calculate the input impedance and EXCEL to display the results. Since this would only allow me to do one pair of lengths at a time, I decided to repeat the conditions suggested by G5RV, ZS6BKW and AA1LL.

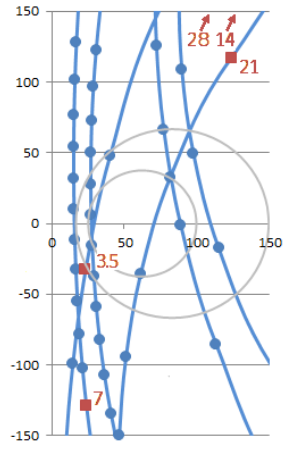
When a VSWR sweep is displayed in EZNEC, it generates a comma separated value (CSV) format file with all the results which is easy to transfer to EXCEL. The value of jX is then plotted against R , giving the classic spiral curve for a dipole [see Appendix]. Here are the low impedance regions of the spiral curves.



G5RV – SWR=3 75Ω



ZS6BKW – SWR=2 & 3



AA1LL – SWR=2 & 3

	Top length	Matching length	Height	Zo	VF
G5RV	102 ft (31.1 m)	30.6 ft (9.3 m)	10.71m	300Ω	0.9
ZS6BKW	95.2 ft (27.9 m)	43.1 ft (13.6 m)	12m	400Ω	1.0
AA1LL	115 ft (35.0 m)	25 ft (7.6 m)	? Free Space	300Ω	?1.0

Comments

The feeder appears to cause distortion to the shape of the spiral and also increase the number of resonances.

G5RV - As G5RV describes, the aerial has series resonance with low impedance at the feed point on 80m, 40m and 20m. Height = $\lambda/2$ @ 14MHz = 10.71m. His 1984 article suggests $Z_0 = 300\Omega$ window ribbon feeder with velocity factor (VF) 0.9 for the matching section. SWR circle shown for 3.0 with 75Ω feeder to TxRx.

ZS6BKW - These lengths were used for results published in Table 1, Radcom, Aug 1985, p615 with Z_4 (coax to TxRx) = 50Ω . ZS6BKW states that he has not used any end corrections or VF corrections. SWR circles shown for 2.0 and 3.0 with 50Ω feeder to TxRx.

AA1LL - While AA1LL has tried a vast number of length combinations, he does not give the conditions used (height/free space or the velocity factor of the feeder used for the matching section). Free space and VF = 1.0 appeared to fit his results best but it looks as though I was wrong. SWR circles shown for 2.0 and 3.0 with 50Ω feeder to TxRx.

[1] R. L. Varney, An effective Multi-band Aerial of Simple Construction, RSGB Bulletin, July 1958, pp19-20.

[2] R. L. Varney, The G5RV Multi-band Antenna ... Up-to-Date, RadCom, July 1984, pp572-575.

[3] B. A. Austin, ZS6BKW, Computer-aided design of a multi-band dipole based on the G5RV principle, Radcom, August 1985, pp614-617 & 624.

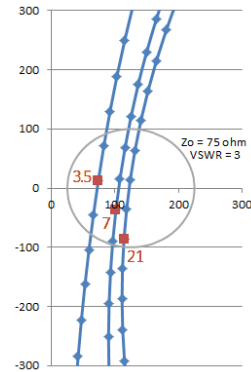
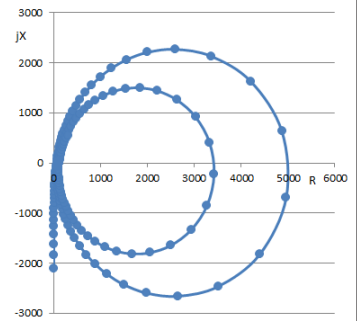
[4] B. A. Austin, An HF multiband wire antenna for single hop point-to-point applications, Journal of IERE, July/August 1987, pp167-173.

Appendix

While graphs of impedance usually show Z or R & jX plotted against frequency, occasionally the reactance jX is plotted against the resistance. I associate this particularly with descriptions of aerial impedances.

The illustration shows the feedpoint impedance of a 7MHz wire (2mm dia) dipole in free space. Starting at 2MHz, the impedance is approx $(3 - j2000)\Omega$. Increasing the frequency in 0.25MHz steps, it crosses the resistance axis at 7MHz and 74Ω . It crosses again at 14 MHz (the second harmonic) and the spiral continues, crossing the R axis again at 21MHz (third), 28MHz (fourth), 35MHz (fifth), etc.

For the frequencies where the VSWR is low, it is convenient to crop the graph. The red dots show 7MHz, 21MHz and 35MHz.



Radio Diary - December 2025

Date	Time (BST)	Event
Thursday 6th	19:30 for 20:00	Thursday 4th December 2025—Club AGM with Festive Nibbles and Raffle in aid of the Radio Communications Foundation (RCF) 7.30 for 8.00 Chilton Village Hall and Zoom
Friday 19th	10:45	Coffee Morning at 'Millets' Exact Venue to be advised
Mondays	19:30 on	Zoom Coffee Evening
Wednesdays	10:45 on	Zoom Coffee Morning
Wednesdays	15:30 -	HF Sked G3PIA 7.150 ±
Fridays	10:45 on	Zoom Coffee Morning
Fridays	20:30	Friday Night Sked on 3.710MHz ±
Saturdays	15:30 on	Sked on 2m FM 145.4125MHz
Sundays	15:30 on	Sked on GB3DI
Tue 2nd	20:00-22:30	2m UKAC
Wed 3rd	18:00-22:00	2m FT8 AC (2hr or 4hr)
Sun 7th	10:00-14:00	2m AFS Contest
Tue 9th	20:00-22:30	70cm UKAC
Wed 10th	18:00-22:00	70cm FT8 AC (2hr or 4hr)
Thu 11th	20:00-22:30	6m UKAC
Mon 15th	20:00-22:00	RSGB FT4 Contest
Tue 16th	20:00-22:30	23cm UKAC
Tues 18th	20:00-22:30	4m UKAC
Sat 27th	15:00-17:00	6m Christmas Contest
Sun 28th	15:00-17:00	4m Christmas Contest
Mon 29th	15:00-17:00	2m Christmas Contest
Tues 30th	15:00-17:00	70cm Christmas Contest

UKAC Contest Results 2025




1.3GHz UKAC 21/10/25

Open														
Pos	Callsign	Loc	QSOs UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
5	G4BRK	IO91HP	25	4,755	8,000	12,755	777	GM4CXM	517	400	Harwell ARS			
6	F1MKG	JN08KQ	16	6,481	4,500	10,981	722	G4KCT	599	75	Harwell ARS			
11	PA0WMX	JO21XI	10	4,621	3,500	8,121	444	MW0LX/P	635	120	Harwell ARS			
13	PE1EWR	JO11SL	6	1,788	2,500	4,288	333	MW0LX/P	470	80	Harwell ARS			




Restricted														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
8	G8DVK	IO91IN	21	3,390	6,500	9,890	695	PA0WMX	503	100	Harwell ARS			
17	F4HOG	JN09OJ	4	1,307	2,000	3,307	304	G7LRQ	420	60	Harwell ARS			
23	F4HRD	JO00XX	1	132	500	632	43	G3XDY	132	9	Harwell ARS			

Low Power														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
3	F1BHL/P	IN99PI	33	10,794	6,500	17,294	957	G4KUX	594	10	Harwell ARS			
33	M0UHF	IO91IP	8	597	2,000	2,597	319	F1BHL/P	259	10	Harwell ARS			




50MHz UKAC 09/10/25



Open														
Pos	Callsign	Loc	QSOs UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
12	M0FXX	IO91NM	12	891	2,500	3,391	83	F4HRD	207	400	Harwell ARS			

Restricted														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
10	G8CUL	IO91JO	50	8,413	8,500	16,913	876	IZ0DHC	1,432	100	Harwell ARS			
22	M0UHF	IO91IP	51	5,903	6,000	11,903	712	GI4SNA	451	50	Harwell ARS			
24	F4HRD	JO00XX	33	7,779	4,000	11,779	684	GW4SHF	411	80	Harwell ARS			
59	G8DVK	IO91IN	21	1,658	2,500	4,158	205	G4AFF	193	100	Harwell ARS			
70	F4HOG	JN09OJ	2	683	1,000	1,683	54	G4CLA	383	100	Harwell ARS			




Low Power														
Pos	Callsign	Loc	QSOs UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
12	G4BRK	IO91HP	9	575	2,000	2,575	83	G4AFF	192	10	Harwell ARS			






70MHz UKAC 16/10/25

Open														
Pos	Callsign	Loc	QSOs UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
11	M0FXX	IO91NM	20	1.725	3.000	4.725		90M8VCC/P	269	160	Harwell ARS			

Restricted														
Pos	Callsign	Loc	QSOs UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
23	M0UHF	IO91IP	47	5,586	6,000	11,586		633G8AOE/P	307	50	Harwell ARS			

SHF UKAC 2.3 GHz 28/10/25

Open 2.3 GHz												
Pos	Callsign	Loc	QSOs UBNs	Score	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
1	F1BHL/P	IN99PI	20	6,820	1,000	G8XVJ	474	75	Harwell ARS			

Restricted 2.3 GHz												
Pos	Callsign	Loc	QSOs UBNs	Score	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
2	G8CUL	IO91JO	22	3,244	949	PE1EWR	329	25	Harwell ARS			
18	PE1EWR	JO11SL	2	528	383	G8CUL	329	25	Harwell ARS			













144MHz UKAC 04/11/25




Open														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comment show
16	PA0WMX	JO21XI		3115,070	4,000	19,070		558MWOLKX/P	635	400	Harwell ARS			
23	M0FXX	IO91NM		40 4.729	7,000	11.729		352 G0CNN/P	324	400	Harwell ARS			

Restricted														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
12	G8CUL	IO91JO	81	13,681	13,000	26,681	914	DL1YAW	655	100	Harwell ARS			
15	M0UHF	IO91IP	77	11,860	11,000	22,860	890	DK6JU	658	100	Harwell ARS			
16	G4BRK	IO91HP	67	10,740	12,000	22,740	882	DL1YAW	666	100	Harwell ARS			
23	G8DVK	IO91IN	52	7,902	11,000	18,902	828	GM4JTJ	572	100	Harwell ARS			
32	F4HRD	JO00XX	40	9,970	6,500	16,470	757	GD8EXI	569	70	Harwell ARS			
41	F4HOG	JN09OJ	25	9,480	5,000	14,480	687	GD8EXI	663	50	Harwell ARS			
55	PE1EWR	JO11SL	21	6,863	4,500	11,363	578	G4KUX	505	80	Harwell ARS			
103	G6LNU	IO91HO	11	454	2,000	2,454	203	G4CLA	98	50	Harwell ARS			

432MHz UKAC 11/11/25

Open															
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show	
11	PA0WMX	JO21XI		23	10,809	3,500	14,309	545	MW0LKX/P	635	400	Harwell ARS			
13	M0FXX	IO91NM		48	5,484	8,000	13,484	454	PA0WMX	474	400	Harwell ARS			
16	PE1EWR	JO11SL		20	6,146	3,500	9,646	318	MW0LKX/P	470	80	Harwell ARS			

Restricted														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
6	G8CUL	IO91JO	74	12,579	13,000	25,579	947	PI4GN	571	100	Harwell ARS			
12	G4BRK	IO91HP	54	8,663	11,500	20,163	885	GM4JTJ	562	100	Harwell ARS			
19	G8DVK	IO91IN	42	6,576	10,000	16,576	812	GM4JTJ	572	100	Harwell ARS			
33	F4HRD	JO00XX	28	6,564	4,500	11,064	666	GD8EXI	569	70	Harwell ARS			
35	F4HOG	JN09OJ	17	5,486	4,500	9,986	645	G1YBB/P	422	50	Harwell ARS			

Low Power														
Pos	Callsign	Loc	QSOS UBNs	Score	Bonus	Total	Norm	ODX	Kms	Power	Group	Ant show	Equipment show	Comments show
24	G0BNC	IO91GT	15	923	2,000	2,923	425	G4ODA	140	10	Harwell ARS			

Overall UKAC results for Harwell ARS

24 Members

Call	50 MHz	70 MHz	144 MHz	432 MHz	1296 MHz	SHF	Total
G8CUL	55.3		51.5	51.6	76.1	70.3	305
M0UHF(P)	65.6	65.9	65.1	19.8	58.2		275
MW0OMB	43	55.1	41.9	35.8	43	7.7	227
F1BHL/P				47.5	104.1	29.3	181
PE1EWR	37	32.2	57	19.5	27.3	7.3	180
F4HRD	60.7		47.6	40.8	31.1		180
F1MKG			40	46.8	50.6		137
G4BRK	7.2	15.3	28.8	41.2	36.8	4.2	134
G8DVK			38.5	45	48.7		132
F4HOG	13.3		46.9	36.7	20		117
PA0WMX			33.3	23.7	42.5		100
G8NVI	9.6	63.7					73
M0FXX(P)	6.8	8.2	10.1	18.9	19.7	7.2	71
F1CBC			31.5	34.8			66
G0BNC(P)	2.5	3.4	28.6	31.5			66
F4VRB			19.7	15.3	11		46
G6LNU	12.1		13.3	18.3			44
G4HLX/P		9.4	6.4		9.3		25
F4HNP			9.8	4.7			15
PA0FEI			1	9.4			10
G0GLG			4.4	2.5			7
F4IMK(P)			5.8				6
G0MJW				4.5			5
G8NRP			0.8	0.6	0.4		2
Total	313	253	582	549	579	126	2402

Overall UKAC Scores for 2025 so far

General Club Scores								
Pos	Club	50 MHz	70 MHz	144 MHz	432 MHz	1296 MHz	SHF	Total
1	Parallel Lines CG	1000	1000	1000	976	1000	1000	5976
2	Northern Fells CG	564	589	910	1000	645	330	4038
3	Harwell ARS	307	233	578	560	573	128	2379
4	Wirral & DARC	423	290	435	345	182	16	1691
5	Gower/Gwyr CC	224	204	318	281	164		1191
6	Norfolk ARC	314	159	291	210	148	45	1167
7	GMDX	100	65	250	205	56	6	682
8	Triple B ARCG	165	97	173	126	77		638
9	Burton upon Trent ARC	2		324	81	10		417
10	UK Microwave Group	63	49	24	29	25	177	367
11	Drowned Rats RG	32	31	97	97	60		317
12	Medway ARTS	73	3	90	52			218
13	Salop ARS	5		68	53	37		163
14	Mid Somerset ARC	64	35	7	7	38		151
15	Bromley & DARS	14	53	47	32			146
16	Bittern DX Group	50		69	20			139
17	Flight Refuelling ARS	12	15	51	44	6		128
18	Bishop's Stortford ARS	25	35	41	22			123
19	St Tybie ARS		2	4	1	55	54	116
20	Farnborough & DRS		16	21	3	16	10	66
21	Nunsfield House ARG	19	38	4				61
22	Christchurch ARS			52	1			53
23	Halkyn Radio Group		5	8	5	30	4	52
24	Ripon & DARS	8	5	18	20			51
25	Stratford-upon-Avon & DRS	5		41	3			49
26	Ayr ARG			38	9			47
27	Finningley ARS	5		41				46
28	RSGB Contest Club	1		30	2			33
29	UK Six Metre Group	30						30
30	London BBC RG			26				26
31	Addiscombe ARC	7	4	12				23
31	Pennine Ham	1	4	17	1			23
33	Hilderstone AR&EC	19						19
34	Verulam ARC	3	7	7	1			18

If you are new to the club or amateur radio and would like to find out about contesting and how you can join in—please email secretary@g3pia.net who will be happy to guide you through the process. You do not need large aerials on a mast to join in (although that would obviously help). Verticals can be effective over the local area where there are many stations taking part in the contests

Other Contests' Results

HF Contests

Autumn Series SSB—October

100W-Assisted

M5M (G4BRK—Neil) - 14th

PE1EWR (Frank) - Leading non-UK Station

Autumn Series DATA—November

100W-Assisted

M5M (G4BRK—Neil) - 8th

UKEI DX Contest 2025

Multi Operator Section

G8CUL (Mike and Ann) - 7th

Single Operator Section

M5M (G4BRK—Neil) - 39th

PE1EWR (Frank)—69th

I don't think anyone else from the club took part in this contest (please correct me if I'm wrong—400 results is a lot to trawl through). It was actually a really fun contest—recommended for 2026!

160m Club Calls AFS Contest

SSB Only Section

MX3P (Mike and Ann) - 15th

M0UHF (Jeff) - 22nd

G8DVK (Dave) - 28th

SSB + CW Mixed Section

G4BRK (Neil) - 12th

The team of these 4 stations were 3rd in the General Clubs Scores and this score contributes to the AFS Superleague 25/26 where we are lying 2nd at present.

2nd 160m Contest 2025

Section UK-Assisted

M5M (G4BRK—Neil) - 10th

VHF Contests

6m AFS Contest

Single Operator Fixed Section
MOUHF (Jeff) - 12th

Jeff was the only HARS member who took part in this contest. His efforts gained HARS 4th place in the General Club Scores. These are counted as part of the AFS Superleague 25/26 where HARS are still 2nd. Well done Jeff!

Forthcoming Contests

Sunday 7th December 10:00-14:00

2m AFS Contest

Rules can be found at: https://www.rsgbcc.org/cgi-bin/contest_rules.pl?year=2025&contest=afs144MHz

Club entrants to this contest will be put in teams (by the adjudicators) for scoring that goes towards the Superleague 25/26.

- Entrants have to be in the UK—G8CUL/G8NVI will be in France but working hard to give you all points
- A French 2m contest overlaps with this contest but only for the FIRST HOUR!

Come on and have some fun.

6m Christmas Contest—27th Dec—1500-1700—Rules -

https://www.rsgbcc.org/cgi-bin/contest_rules.pl?year=2025&contest=xmasfun1

4m Christmas Contest—28th Dec—1500-1700—Rules -

https://www.rsgbcc.org/cgi-bin/contest_rules.pl?year=2025&contest=xmasfun2

2m Christmas Contest—29th Dec—1500-1700—Rules -

https://www.rsgbcc.org/cgi-bin/contest_rules.pl?year=2025&contest=xmasfun3

70cm Christmas Contest—30th Dec—1500-1700—Rules -

https://www.rsgbcc.org/cgi-bin/contest_rules.pl?year=2025&contest=xmasfun4

These 4 X 2 hour contests present as 4 short UKACs for the post Christmas period. Country and square multipliers are used instead of the more usual square bonuses. Entry numbers are usually quite low - around 40 for 6/4m and around 70 for the other 2 bands but it is a perfect opportunity to try out the new VHF/UHF rig you received for Christmas!

HARS Sunday Lunch

Sunday 1st February 2026

12.30 onwards at

The Packhorse

Milton Hill, OX13 6AG

Following a couple of successful lunches at the Fleur at East Hagbourne, we have decided to try a Sunday Lunch at the Packhorse at Milton Hill for 2026. It has several advantages over the Fleur:

- It is easily accessible from the A34
- It has a large flat car park
- It has large dining facilities and we will be given our own room if there are 20 or more of us.
- The menu is varied with Gluten Free, Vegetarian and Vegan options as well as offering the traditional Sunday Roast and other meals including pizzas
- We will need to prebook (as we did at the Fleur). The secretary will collate all your requirements, invoice you for them and pay on just one bill on the day. **YOU WILL BE RESPONSIBLE FOR PAYING FOR YOUR OWN LUNCHTIME DRINKS AND COFFEE ON THE DAY.**

Details of the Packhorse can be found here:

<https://thepackhorse.pub/menus/>

The menus are changed regularly—we will publish the New Year one in the January edition of QAV

What would be helpful is to have a list of those who would like to come so that I can send on menu details as they become available.

Please email:

secretary@g3pia.net

with the numbers who would like to attend —all friends and family welcome too

RSGB Updates via Malcolm, G8NRP

Ofcom has released a new step-by-step video on its YouTube channel to assist radio amateurs in the process of revalidating a UK amateur radio licence using the online licensing portal. Ofcom does note that whilst it is a requirement to revalidate your licence every five years, it is recommended to do it annually. Make sure you keep your details up-to-date and make a diary reminder to renew each year. You can find the video by going to the licence revalidation page on our website where you will also find a helpful FAQ prepared by the Society on the topic: **Licence Revalidation - Radio Society of Great Britain -**

<https://rsgb.org/main/operating/licensing-novs-visitors/uk-licensing/revalidation/>

Malcolm Andrew, G8NRP
RSGB District Representative - Oxfordshire
Email: dr93@rsgb.org.uk

Forthcoming RCE Courses

There is a Foundation Course running on the weekend of 6th-7th December

The Course will be delivered by experienced tutors and will comprise:

Powerpoint presentations relating to each of the sections in the latest syllabus, with opportunities to ask questions in real time;

A chance to answer a collection of sample exam questions from the RSGB Website;

An opportunity to take a Mock Exam in a timed environment at home. The tutors will discuss your exam answers with you and explain the correct answers, if necessary. The Course will be delivered through the Zoom Video Conferencing tool.

The nominal joining fee for the course is £10.

If you are interested - please do not hesitate to [contact us](#) ASAP, giving your mobile phone number in addition to any other information specifically requested.

Full details can be found on the Forthcoming Courses pages of the club website <https://www.g3pia.net/forthcoming-courses.php>

HARS LF Band Skeds

It is good to see that the Friday evening LF Band Skeds on both 160m and 80m continue to draw in a good number of club members both old and new. Band conditions often change from week to week, and members' experiments with different aerial configurations in an effort to get a better signal out, are always interesting to hear about.

We increasingly get non-club members calling into our nets, and it is interesting to see how our signals are received in different parts of the country. We have recently been getting reports via the HARS Twitter feed which is also nice to see.

Thank you to all club members who participate in this club event, and make it what it is - without you, the net would not exist! If any club members need help getting going on 80m or 160m with aerials or equipment, please ask, and we will do our best to assist you.

We try and send out email reminders for the net during late afternoon/early evening on Fridays. If you're not already on the list, but would like to receive these weekly reminders, please contact me (rogerpowell200@outlook.com).

73 Roger G0AOZ.

(Roger ably runs the Friday evening skeds and Dave, G8DVK does the same for the Wednesday afternoon skeds, the latter using the club callsign, G3PIA, The skeds are frequented by a few club members, but if you're not one of them, why not make a effort to join in? You would be made very welcome - Ed)

EMF Calculations

As from 18 November 2022, all UK amateurs are required to have conducted EMF assessments for all the bands they use. The RSGB has issued a Trial Version 2 of its EMF Calculator App. This version removes the restriction on frequencies below 10MHz and the minimum separation of near field boundary. The app is being released as a trial version as the RSGB would welcome feedback from users. You can find the app and more information about the EMF work on the RSGB website at <http://www.rsgb.org/emf>

There is now a new EMF calculator which should produce sensible results right up into the UHF part of the spectrum. It can be found at ; <http://www.rsgb.org/emf> . It is always worth viewing that page for up to date information.

Malcolm, G8NRP
RSGB Rep for Oxfordshire

(We have heard of Amateurs being asked to submit their EMF calculations to Ofcom for scrutiny - so be prepared! - Ed)

DX of the Month

It would be nice to continue filling this list, giving the results by band, so please keep sending in what you have worked. I will normally list 1 entry/band/Mode/month/callsign. When sending the information to me, please list ***all*** of the following information of the DX station. The entries are in date order -

Date, Callsign, band, mode, 6-figure Locator, distance.

Date	Callsign	DX	Band	Mode	Locator	Distance km
17/10/25	G4BRK	VK5PJ	80m	FT8	PF95MK	16340
18/10/25	G4BRK	KH6ZM	20m	RTTY	BK29IK	11710
4/11/25	G8CUL	DL1YAW	2m	CW	JO41DX	655
8/11/25	G4BRK	K0PRT	23cm	Q65	DM88KJ	7466
9/11/25	G8CUL	DL5EBS	23cm	CW	JO31NH	578
11/11/25	G8CUL	PI4GN	70cm	SSB	JO33II	571
13/11/25	G8CUL	I5YDI	6m	JT6M	JN54BC	1186
20/11/25	G8NVI	GM4CXM	4m	JT6M	IO75TW	525

Please remember that I only publish the longest distance per month/band/mode/callsign. When you send these to me please include all the details shown above including mode and locator (where possible).

Mike, G8CUL.

Colin, G3NNG is a founding member of HARS and as such he has a complete set of QAVs since the start of HARS up until now - however he has loaned issues 1-5 to another club member but can't remember who it was! If it was you, please get in touch with Colin or me (gav@q3pia.net) and I will pass the information on to Colin.

Forthcoming Events

Thursday 4th December 2025—Club AGM with Festive Nibbles and Raffle in aid of the Radio Communications Foundation (RCF) 7.30 for 8.00 Chilton Village Hall and Zoom

Friday 19th December 2025 - Monthly Coffee Morning at 10:45 probably at the Flower Market Café located in Webbs Garden Centre at Millets. Details to be confirmed.

Thursday 8th January 2026—PLEASE NOTE CHANGE OF DATE FOR THIS MONTH. NEW YEAR'S G6LNU QUIZ 7.30 for 8.00 Chilton Village Hall and Zoom

Friday 16th January 2026 - Monthly Coffee Morning at 10:45 at Millets Farm Shop Café

Saturday 24th January 2026—Ridgeway Microwave Roundtable at Chilton Village Hall 10:00-15:00. All welcome but booking essential. <https://temp-tntdyedoigtcbfjkdt pz.webadorsite.com/>

Sunday 1st February. HARS Sunday Lunch. 12.00 for 12.30 at The Packhorse, Milton Hill.

Thursday 5th February 2025—Annual Construction Contest 7.30 for 8.00 Chilton Village Hall and Zoom

Friday 20th February 2026 - Monthly Coffee Morning at 10:45 at Millets Farm Shop Café

Thursday 5th March 2025—Talk—TBA 7.30 for 8.00 Chilton Village Hall and Zoom

Friday 20th March 2026 - Monthly Coffee Morning at 10:45 at Millets Farm Shop Café

Thursday 2nd April 2025—Practical Evening 7.30 for 8.00 Chilton Village Hall and Zoom

Friday 17th April 2026 - Monthly Coffee Morning at 10:45 at Millets Farm Shop Café

Thursday 7th May 2025—ANNUAL FLEA MARKET—members and other local clubs welcome. Tables: secretary@g3pia.net 7.30 for 8.00 Chilton Village Hall and Zoom.

Construction Contest

Thursday 6th Feb 2025

Chilton Village Hall

7.30 for 8.00

A Construction Contest has been held for many years at the HARS February Meeting. This popular event gives members the opportunity to show items that they have been building during the year to other members of the club.

As usual there will be 2 categories:

The General Category—open to all members of the Club

Each entry will be judged by members present at the meeting and will be assessed on:

- Design
- Novelty
- Implementation

Each entrant will be expected to make a BRIEF presentation (no longer than 5 minutes) about their entry.

The entry with the highest marks becomes the winner.

The G2HIF Trophy will be awarded to the winner with cups for the runners up.

The Novice Builder Category—open to those who have just started to build, have just come into the hobby or are newly licensed (Foundation, Intermediate or Full). Their construction should be their first radio-related project, made at home, without professional assistance and can be of original design or a kit.

Each entry will be judged by members present at the meeting and will be assessed on:

- Novelty
- Implementation

Each entrant will be expected to make a BRIEF presentation (no longer than 5 minutes) about their entry.

The entry with the highest marks becomes the winner.

The G3LQC Trophy will be awarded to the winner with cups for the runners up.

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Minutes of Annual General Meeting for 2024 held on Thursday 9th January 2025 at Chilton Village Hall and on Zoom at 20:00

- 1 **Apologies** were received from Ann (G8NVI), Neil (G4BRK), John (G6LNU), Marian (2E0LNU), Henry (M0ZAE), Hamish (G0GLG), Tim (G4DBL), John (G6ZHB) and Malcolm (G8NRP) who attended via Zoom
- 2 **The minutes of the last AGM** were accepted – proposer Mike (G8CUL), seconded by Clint (M0OXF)
- 3 **Chairman's Report**

Last year seems to have flown by and here we are in 2025. It's hoped we have provided you with a year of interesting and varied entertainment the main features which I will briefly recap.

The AGM was held in early January where along with the normal business of an AGM we were pleased to welcome Clint M0OXF, Robert M0FXX and David G0OYS to the committee. The club had an enjoyable New Year's lunch held late in January at the Fleur de Lys in East Hagbourne. The Flea Market club evening was noted as a success held in March where amateurs from other clubs were invited. We were entertained in April with an interesting slide show and talk by Robert M0FXX describing both his trip around Africa and crossing the Atlantic in his twin engine Comanche aeroplane. An RF Field Strength meter was introduced as a club project at the May meeting where a kit of parts was supplied to those participating. The summer Barbeque held in June at the village hall was well supported and without rain this year. Ken Lax presented a very interesting talk relating to his time with the British Antarctic Survey at the June meeting. At the July meeting Professor Martyn Hayley gave a talk entitled 'Chasing MRI Ghosts' He described the ghosting effect that can appear on MRI images, the causes and cures. The club entered VHFNFD from Hagbourne Hill operating on 6/4m, 2m, 70 and 23cm the event was very well supported both with operators and heavy gang who helped with the both the station assembly and site clearance. There was a barbeque held for participants on the Saturday evening. An HF demonstration station was set up for the September club evening. The tuning of an ATU proved to be of particular interest to some members. Steve Nichols G0KYA gave an informative talk on HF Propagation at the October club meeting. Following on from the propagation theme last month Dr Barry Kellet from RAL gave a presentation on the radiation effects of the sun. Finally, John G4LNU delivered what has become almost traditional - the G6LNU quiz in December.

I thank the outgoing committee for their commitment throughout the year with special mention to Howard M0JWC for organising the wide variety of speakers

for club nights and producing the committee meeting minutes. Further thanks to Ann G8NVI for secretarial, financial and contest manager duties.

Thanks to Mike G8CUL for the monthly QAV production.

I must also mention Le Tatty Piece de Papier Award radio activity organised and operated by Ann G8NVI and Mike G8CUL from their French QTH. The event encouraged a goodly number of members to enter the fun event.

The weekly Zoom meetings and radio nets continue to be well supported as do the monthly coffee mornings at Millets.

I wish you all a Healthy and Peaceful New Year.

73 Dave, G8DVK,
Chairman.

4 Secretary's Report

The Committee has had a busy year continuing to organise activities for the club. Membership has reached 100 with around 60 being active during the year on Club skeds, Contests, Zoom and at meetings. Zoom has continued to be invaluable, for chats, formal meetings and also Committee Meetings! A groups.io forum for HARS has 71 members and had just over 1000 postings during 2024.

Numbers attending physical meetings at Chilton Village Hall have stabilised at around 25 per month when the talk is available on Zoom. The Committee are loathe to stop streaming these talks as that would marginalise those that live at a distance, have a disability, are carers or are unable to travel for some reason. The Committee would like to thank the following, without whose efforts the club would not function:

Dave G8DVK and Roger G0AOZ (and helpers) who tirelessly run the Wednesday afternoon and Friday Night HF Skeds. Both are very well supported and popular in the weekly calendar.

Howard M0JWC who has been organising varied and interesting talks for the club during 2024.

Tim M0KEP, Jeff M0UHF and others who host the Saturday and Sunday skeds on 2m and 70cm

Clint M0OXF for hosting the HARS X feed and Facebook pages and keeping details of skeds and other activities in the public domain

John G6PEP and the training team for continuing to keep the Foundation and Intermediate online courses up to date, and running both courses at regular intervals

Mike G8CUL who produces QAV for the club each month.

John G6LNU who organises the monthly Friday Coffee Mornings

All those members who regularly take part in the VHF/UHF and HF Contests as part of the HARS' teams. Contest successes during 2024 included:

- HARS AFS Team achieved 2nd place in the AFS Super League for 2023-24 and are doing well in the 2024-2025 season.
- HARS UKAC Team have achieved 2nd place in the General Club Section

5 Treasurer's Report – (See next page)

Robert (M0FXX) proposed that the Accounts be accepted. This was seconded by Mike (G0MJW).

If you would like a copy of the accounts with better resolution, please email - secretary@g3pia.net

HARWELL AMATEUR RADIO SOCIETY STATEMENT OF ACCOUNTS 2024

<u>Income</u>		<u>Expenditure</u>	
	£		£
Members Subscriptions		Construction Contest	96.30
Social Events	1172.30	RSGB	68.00
Tea Club	798.00	Social Events	776.00
RCE Courses	118.00	Venue Hire	627.00
Club Project	190.00	Club Equipment	1,227.31
Junk Sales	80.00	Donations	100.00
Equipment	128.49	Zoom	155.88
Donations	7.50	Website	-
Interest on savings account	40.93		
	201.12		

Total £ 2,736.34
Profit/Loss(-) -£ 314.15

Total £ 3,050.49

Financial position @ 31st October 2024				Treasurer	Date
	31/10/2024	31/10/2023		A Stevens	29th Dec 2024
Current Account	1,431.94	1,455.21			
Savings Account	16,302.04	16,100.92			
Creditors - Owed by HARS (overpaid subscriptions)	-	3.00			
Creditors - Owed for hire of Chilton Village Hall	495.00	-			

£ 17,238.98 £ 17,553.13

Independent Examiner
A A Reid

Date
29th December
2024

6 Election of Officers

Nominations received:

Chairman	Dave G8DVK	<i>Nominated: Malcolm (G8NRP) Seconded: John (G6LNU)</i>
Vice Chairman	Angus G0UGO	<i>Nominated: John (G6ZHB) Seconded: John (G6LNU)</i>
Secretary	Ian G4BYR	<i>Nominated: Paul (2E0JQT) Seconded: Jamie (G8RIA)</i>
Treasurer	Ann G8NVI	<i>Nominated: Robert (M0FXX) Seconded: Dave (M0IXP)</i>

There being no further nominations the Officers (as outlined above) were returned unopposed.

7 Election of Ordinary Committee Members

Nominations received:

Roger G0AOZ	<i>Nominated: Dave (M0IXP) Seconded: John (G6ZHB)</i>
John G6ZHB	<i>Nominated: Malcolm (G8NRP) Seconded: Ann (G8NVI)</i>
Neil G4BRK	<i>Nominated: Ann (G8NVI) Seconded: Clint (M0OXF)</i>
Robert M0FXX	<i>Nominated: Howard (M0JWC) Seconded: Mike (G8CUL)</i>
Clint M0OXF	<i>Nominated: Tim (M0KEP) Seconded: Nigel (G0CQZ)</i>
Dave G0OYS	<i>Nominated: Dave (G8DVK) Seconded: Angus (G0UGO)</i>

There being no further nominations the Ordinary Committee Members (as outlined above) were returned unopposed.

8 Any Other Business

Robert (M0FXX) enquired if there had been any progress on obtaining storage facilities for the Trailer Mast (and other club equipment)? Dave (G8DVK) advised, not yet but we are still looking and asked if any members had a suitable space? He also advised that it could be a significant future cost.

Dave (G8DVK) reminded members that subs are due now and to register an interest in the New Year lunch ASAP.

Colin (G3NNG) advised that he had handed over the club call sign (G3PIA) and the associated Short Contest Call (M3P) to Dave (G8DVK).

Mike (G8CUL) advised that the club also held the callsign M0HDO and recently the associated Short Contest Call M4Z .As club callsigns are held by an individual, Mike holds both of them (or perhaps is responsible for them?)

Paul (2E0JQT) offered a vote of thanks to the committee for all their hard work over the past 12 months.

There being no further business the formal meeting closed at 20.33

List of attendees

On Zoom Jon (G1JSF)
 Jeff (M0UHF)
 Tim (M0KEP)
 Dave (G0LJX)
 Jamie (G8RIA)
 Howard (M0JWC)
 Malcolm (G8NRP)

In person Mike (G8CUL)
 Mike (G0MJW)
 Robert (M0FXX)
 Dave (G8DVK)
 Angus (G0UGO)
 Richard (G0REL)
 Elizabeth (G0RJX)
 Paul (2E0JQT)
 Ian (G4BYR)
 John (M0MLE)
 Derek (M0MGZ)
 Colin (G3NNG)
 Clint (M0OXF)
 James (G7NWK)
 Neill (G4HLX)
 Ron (G0BNC)

CLASSIFIED ADS

Remember that you can advertise suitable radio equipment here for **free!**

Having recently bought a new projector so that presentations can be projected onto the screen at the Chilton Village Hall, the old projector is now surplus to requirements and is for sale to club members. It does still work but may need a new projection bulb.

For more information please contact
Dave Aram -
davearam@pipercomms.co.uk

Harwell Amateur Radio Society - Committee

OFFICERS

Chairman: Dave Aram, G8DVK
Vice-Chairman: Angus Wilson, G0UGO
Minutes Secretary: Ian Maslen, G4BYR
Treasurer/Corresponding Secretary :
Ann Stevens, G8NVI

ORDINARY MEMBERS

Roger Powell, G0AOZ
Dave Temple, G0OYS
John Booth, G6ZHB
Robert Limb M0FXX
Neil Whiting, G4BRK
Clint Gouveia, M0OXF, Media Officer

Other, non-committee positions

Contest Manager: Ann Stevens, G8NVI
RCE Head Trainer: John Morris, G6PEP
RCE Secretary: Ann Stevens, G8NVI
QAV Editor: Mike Stevens, G8CUL

Club Contact Details

Website: www.g3pia.net
Email: hars@g3pia.net

Opinions expressed in QAV are the personal views of the contributors and cannot be taken as reflecting the views of the society, committee or editor.

Contributions from all members are greatly welcomed. They may be submitted to gav@g3pia.net. The publication date is usually the 1st of the month, so please submit your contributions by **1 week before** that date.