

COULSDON AMATEUR TRANSMITTING SOCIETY
G4FUR  **M1FUR**

CATS WHISPERS



**December
2013**



Affiliated to the RSGB

CATS Committee

Chairman: Glenn Rankin, G4FVL
Secretary: Steve Beal, G3WZK
Treasurer: Steve Conway, G7SYO
Members: Stuart Barber, G6CJR
Andy Briers G0KZT
Dennis Noe, M0NDJ

CATS Whispers Editor: Steve Beal, G3WZK
email address for contributions: newsletter@catsradio.org

Regular Society Meetings

These are held on the second Monday of each month at:
St. Swithun's Church Hall, Grovelands Road, Purley, Surrey, CR8 4LA at 20:15 to 22:15

Society Nets

1st Saturday of month - 17:15 - Crescenta Valley / CATS Net on Echolink/ GB3NS
Sunday mornings - 11:00 - Call on 145.400 MHz \pm QRM
Sunday evenings - 17:00 - Call on 3.700 MHz \pm QRM
Wednesday evenings - 21:00 - Call on 70.425 MHz

CATS Website www.catsradio.org **Email** enquiries@catsradio.org

Forthcoming Meetings

Monday Dec 9 AGM
Monday Jan 13 CATS Annual Dinner At The Fox, Coulsdon Common
Monday Feb 10 Talk on GB3NS by Denis G0OLX



CATS is twinned with the Crescenta Valley Radio Club
Glendale California USA www.gsl.net/cvrc

CATS November Meeting

On November 11th, Julian Murfitt visited CATS to give a talk about Aerobatic flying. Born in 1964, Julian grew up fascinated by aircraft hanging on the coat tails of his father who was flying for the RAF on Vulcans and Hercules aircraft.



Julian ready to begin his talk

Julian described how, aged 13, he had first started flying gliders in the Air Training Corps and went on to fly solo aged 16 in a Kurby Cadet Mk 3 glider at Little Rissington. He moved on to powered aircraft in 1994 when he bought a share in a Pitts Special. He began competing in 2001 and rose to become British Advanced Champion in 2007 and 2008. He once came ninth in the World Championships and hopes to compete as a member of the British team again next year (2014).



Julian began by showing us a video of a display he had given at White Waltham, home of West London Aero Club (WLAC) in 2009. The video featured breathtaking manoeuvres such as a Stall Turn, a Mulleroid, a Flat Spin, a Cravat, a Half Reverse Cuban and many more. Julian explained how the smoke effect seen on the video is created by pumping a special oil into the plane's exhaust system at the rate of around 3 litres/min. As the oil is around £2/litre, the cost of a ten-minute display is around £60 for environmentally friendly smoke oil alone, so this is not a pastime of the impecunious!

Julian explained how the difference between acrobatics and aerobatics, adding that aerobatics is regulated in the UK by the British Aerobatic Association (BAeA). Starting with Beginners, there are 5 national categories and 2 international ones.

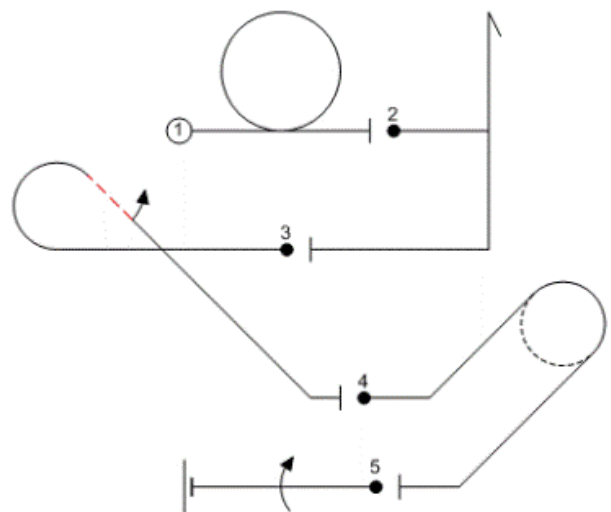


<http://www.aerobatics.org.uk/>

The sequences that are flown can be of a variety of types such as:

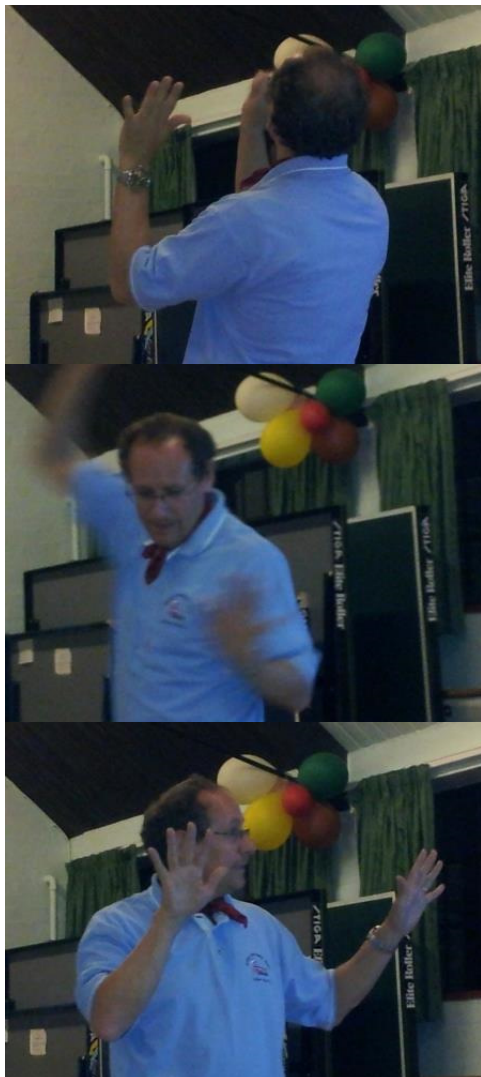
- Known compulsory
- Free (self-designed)
- Unknown compulsory (One hours' minimum notice given)

There is a standard notation for aerobatics called Aresti (after its eponymous inventor) in which solid lines represent upright or positive-g manoeuvres and dashed lines represent inverted or negative-g manoeuvres. Stalled wing manoeuvres such as spins and snap (flick) rolls are represented by triangles. All manoeuvres must be completed within an imaginary 1 km box and there are strict rules for individual manoeuvres – eg when “looping the loop” the loop must be circular and “verticals” must be straight up (or down.)



Example of an Aresti chart for Beginners

Julian concluded his talk by illustrating with his own body, how aerobatic manoeuvres on an Aresti chart can be put into practice.



Julian demonstrates an aerobatic manoeuvre

The plane Julian currently flies is a CAP 232 built by CAP Aviation in France in 1996 and certified to positive 10 and negative 10 G. It was originally designed for the French Air Force to meet the requirements of unlimited competition aerobatic pilots on the world stage.



Julian's aircraft

Julian's version, G-IIPZ, is a single seat aerobatic monoplane aircraft, powered by an 8 litre 300hp Lycoming AEIO540 flat six cylinder engine turning a 4 blade MT propeller at up to 2700 rpm. It has a 24 foot wing span and a weight of 960 pounds. Inside the cockpit, G-IIPZ is a very basic aeroplane without any advanced navigational aids and Julian relies upon map and compass navigation to get to air shows and competitions. This keeps the weight of the aircraft down to a minimum to maximise its performance.

This was a thoroughly enthralling talk: thank you Julian!

CATS December Meeting **Annual General Meeting**

Annual General Meeting Of The Society

In accordance with the rules of the Society, notice is hereby given that the Annual General Meeting of the Coulsdon Amateur Transmitting Society will be held on Monday 9th December 2013 at St. Swithun's Church Hall, Grovelands Road, Purley, Surrey CR8 4LA, commencing at 20:15 hours.

Now is a good time for all members to consider any issues they may wish to raise at the meeting (eg which contests if any, would you like CATS to enter) and whether anyone might wish to nominate someone new, or perhaps stand themselves, for election to the CATS Committee. Serving on the committee is not as onerous as you might think, because most committee meetings are now run using Skype so you can take part from the comfort of your own home. Please give it a thought. CATS needs YOU ...

CATS 2014 Annual Dinner

The Committee have made a group booking for The Fox Public House on Coulsdon Common as a venue for the 2014 CATS Annual Dinner. The date for your diaries is 13th January 2014, 7:30 for 8:00 pm.

An email has been sent to all members about the event – and 11 members and partners have put their names down so far. Please let me know via secretary@catsradio.org if you would like to join us.

CATS Febuary Meeting

This will be a talk about the GB3NS repeater by Denis Stanton G0OLX. The date for your diaries is 10th February 2014.

Membership Matters

James Flint G0SDB

It is with much sadness that *CATS Whispers* announces the death of CATS member James G0SDB early on the morning of 2nd December 2013. His family were with him at the time. He had been ill for some time and recently moved to St Catherine's Hospice in Crawley. Details of funeral arrangements will be sent to CATS members when known.

The First Proper Rx

In the previous article in *Cats Whispers* I described the frustrations of having a station that consisted of nothing better than an amplified crystal set and a faulty Bush mains radio. In the dining room, my parents had a Ferguson mains radio that covered short waves and, in particular, the twenty metre band. It had a short wire aerial and could pick up European amateurs quite easily and in the evening Americans too. Some of the Americans were running a kilowatt or more of AM and so were easy to listen to. This only whetted my appetite to get a proper receiver.

My parents were friends with a couple, one of whom turned out to be an amateur – Len G3GHH. Len put me on to the circuit in the May 1964 edition of *Practical Wireless* that I mentioned in the August issue of *Cats Whispers*. Len kindly gave me some components to help build it, including a variable capacitor complete with slow motion 6:1 cord drive and pulley system, a loudspeaker and audio transformer, a heavy duty choke for the power supply and a set of valves: 6BA6 (RF amplifier), EF91 (regenerative detector), GZ32 (double diode rectifier for the power supply). The circuit as published called for a 12AT7 double triode for the audio stages but Len advised me to use a triode-pentode instead for more audio output power. In his junk box he found an ECL80 triode-pentode and drew up a suitable circuit for me. Len lived in Putney and it was quite a

trek to lug all these items back to my home in Muswell Hill in North London by public transport.

Other bits and pieces required a trip to the Edgware Road. The chassis came from HL Smith and other components from Henry's Radio. However, the mains transformer (a Douglas MT1AT) had to be obtained by mail order.

I had already received a soldering iron and hand drill for Christmas so, after following Len's advice about how to design the layout by placing all major components on a piece of paper first to see how everything could be fitted together, I was ready to begin.

For most of the wiring I used bell wire from Woolworths. Not having much money, I had no grommets so wires passing through the aluminium chassis were passed straight through a quarter inch hole with no protection from chafing.

The design was for a valved TRF receiver covering all bands up to 30 MHz in six ranges. I wound the coil for Range 5 (0.9 to 2 MHz) first and after an afternoon's soldering, I was ready for the first test. This went reasonably well: all the valves lit up and there was soon a healthy HT rail of around 250 volts. There was a slight hum in the loudspeaker and the AF gain control worked. Signals could be heard but seemed rather weak, the regeneration control didn't work as I expected and the tuning was very broad. I felt rather disappointed. I had of course checked the wiring before switching on and had found no mistakes.

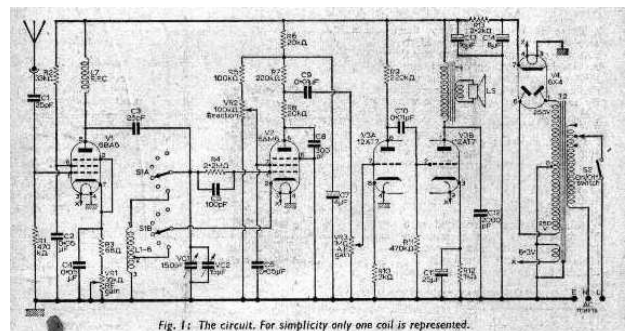


Fig. 1: The circuit. For simplicity only one coil is represented.

The original G3OGR circuit – simple but very effective

A second check, reluctantly carried out, revealed that while all the wiring was perfect, I had failed to include the screen grid decoupling capacitor in the regenerative detector stage. I was lucky to find a suitable item in my junk box. I soldered it in, switched on, and held my breath as the radio warmed up. The set sounded exactly the same - until I began

gingerly to advance the regeneration control. Signals got stronger, selectivity improved and the more I turned the knob, the better things became until, as expected, the stage went into oscillation. It was like magic!

Backing off the regeneration control, I found that Top Band was full of amateurs, ship-to-shore and LORAN transmissions, while the medium wave was bursting with broadcast stations. I had a proper radio at last! Further experimentation with the regeneration control showed that if I let the set oscillate gently, I could easily copy Morse signals and even resolve the SSB transmissions.

At last I could receive (MF) Medium Frequencies properly - but the design called for 5 more coils to be wound to provide overlapping coverage all the way from 450 kHz to 30 MHz. That would mean 5 more amateur bands to enjoy (this was in the days before the WARC79 bands were added), shortwave broadcast stations and who knows what else?

I wound the extra coils and tested them one by one. Using trial and error to find the amateur bands wasn't too easy – the best way was to listen for broadcast stations as these were much stronger and, having established what frequency they were on, use that information to home in on the amateur frequencies.

Then a design was published in Radio Constructor magazine for a 100 kHz/ 1 MHz crystal calibrator. I bought the components and soon had the circuit working. It was then very easy to make marks every megahertz on my receiver's tuning dial and add intermediate marks every 100 kilohertz, if necessary.

In the following months, I managed to hear amateurs all over the world on it and by tweaking the Range 1 coil I managed to receive BBC One TV sound on 41.5 MHz. Best amateur DX was New Caledonia – an island between Australia and New Zealand.

With the set working well, it was time to pension off my amplified crystal set and repair my parents' Bush set. The wavechange switch was of a fairly unusual design, so instead of replacing it, I soldered the medium wave contacts permanently into circuit, as long wave was not required. That set would never receive Top Band again but that really didn't matter – I had my proper all band receiver - and the Bush set now again worked perfectly on medium wave to my parents' delight.

Now that I had a proper radio that could receive on all bands from 160m down to 10m, I became more aware than ever of slow morse transmissions, club nets and RSGB news broadcasts.

Several locals were members of the Grafton Radio Society while others belonged to the Southgate Club. As I attended a school in Southgate, that seemed the natural choice for me. In fact a boy in the year ahead of me at school was also a member of Southgate and was about to gain the call G3TWZ. He studied for the RAE with Ron Wilkinson (later of Ofcom fame) and the two applied to have consecutive call signs. Ron got G3TXA which is I suppose technically consecutive – but I'm sure it wasn't what they had had in mind!

To be continued.

Kempton Park Rally ...

At this November's Kempton Park Rally CATS once again provided a Bring-And-Buy stand. The B&B was organised by CATS member Graham 2E0XDZ as James G0SDB was unwell. After the event Graham said, "I would like to say a big thank you to all who helped at the Bring-And-Buy, it was a great team effort and you all made the job so easy. I have spoken to James today and told him the results of our labours, he sends his regards to all. Once again thank you all. 73s. Graham."



The CATS B&B stand. Behind the table L-R: Len G0GNQ, Glenn G4FVL, Andy G8JAC

Although the B&B was sited in a somewhat dark corner of the hall, thanks to Andy G8JAC and Ian M3IGP who came well prepared with supplementary lighting, the situation was greatly improved compared with previous occasions.

The event was great fun to do and produced a

useful addition to CATS Funds. Radio Fairs have announced the following two dates for rallies next year:

13 April 2014
9 November 2014

Many thanks to Graham for taking on the organisation of this event for CATS.

A further selection of photos follows.



Andy G8JAC books in a seller's items



B&B goodies on display



Tom G4DFA weighs up the pros and cons of buying a 23cm antenna for use as a spare

... and CATS bazaar

This year's CATS Bazaar was held on November 24th and was a great success. In addition to CATS members and traders, there were a total of 189 visitors. All the inside table allocations were taken up and three traders set up their stalls on the grass outside.



Set-up on the Saturday: L-R Denis M0NDJ, Ian M3IGP, Andy G0KZT and Stuart G0CJR

For CATS members, the event began the previous evening with the setting-up of tables and chairs. CATS Chairman Glenn G4FVL, not content with simply organising the Bazaar, had used his welding skills to good effect and repaired the framework of many of the scouts' tables.

As people began queuing at least half an hour before the Bazaar was due to begin, anxious to be in pole position to buy some of the many goodies on offer, we opened early as we have done in previous years. However, CATS will review this policy in future, as we do realise that it is annoying for people who arrive on time to find the Bazaar in full swing and that some bargains have already been sold.



Sunday arrivals in the car park



Our B&B stand at the bazaar. With his face to camera is CATS Treasurer Steve G7SYO



One of the aisles at the bazaar. On the left Kim G6JXA is rummaging through the goodies on the stand manned by the Sutton and Cheam club, while the Dorking club occupies the stand on the right.

With several local clubs in attendance as well as a number of traders and our ever-popular catering arrangements, the event produced a useful addition to CATS funds.

After the event, CATS Chairman Glenn G4FVL said, "Just a quick note to say many thanks for all of your help at this weekend's CATS bazaar. I heard a fair amount of feedback from the table vendors and the folks who attended the bazaar this year, all seemed to think the event was a success and enjoyed attending. I feel it has once again showed just what CATS can do on a good day.

"The only reason for the success is you folks, without your help the bazaar would not happen. Sorry if I missed some of you when we were clearing up to thank you face to face, but the CATS bazaar clear-up was by then in full swing and working like clockwork. 73/88 from Glenn."

It is intended to hold the 37th CATS Annual Radio and Electronics Bazaar on Sunday 23 November 2014.

Useful Link

Thanks to Mike M1CCF for the following news snippet:

Ofcom claim to have spent £1.872 million on amateur radio in 2011/12

On Wednesday, following a stakeholder request, they released an addendum to the consultation on setting cost based fees for spectrum licences. It provides a breakdown of Ofcom's spectrum management costs and invoiced fees by Wireless Telegraphy Act licence class.

Read the addendum at

[http://stakeholders.ofcom.org.uk/binaries/consultations/cbframework/summary/CBF Addendum to Consultation Nov13.pdf](http://stakeholders.ofcom.org.uk/binaries/consultations/cbframework/summary/CBF_Addendum_to_Consultation_Nov13.pdf)

Spectrum Pricing: A framework for setting cost based fees consultation

<http://stakeholders.ofcom.org.uk/consultations/cbframework/>

Discount On Hi-fi For CATS Members

The above company now offers a 5% discount to all CATS members purchasing radio, TV and audio equipment. Find them on line at

<http://www.hifigear.co.uk/>

CATS members have a special code to enter at the checkout stage on the internet site.

For Sale

1. 4-ele gamma-matched yagi, adjustable 24.5 to 30MHz, £50.
2. Two professional, one piece snooker cues in hanging cases by Thurston. The cues are 48.5 inch, 17oz. £POA.
3. 2mtr 30w amp+rx pre-amp by Mirage. £50.
4. Thousands of xtals.

Call Frank G3ZMF on GB3NS, by echo-link to GB3NS (Node number 38 34 03), or TEXT from your mobile to 07780 347906. Merry Xmas to all.

Contests Coming Soon

<u>Tuesday Activity Activity</u> <u>Contests 2013/14 – all begin</u> <u>at 8pm local time</u>	
Dec 3	2 metres
Dec 10	70 cm
Dec 17	23 cm
Dec 26	Christmas
Dec 27	Cumulatives:
Dec 28	70cm, 2 metres, 4
Dec 29	metres, 6 metres
Jan 7	2 metres
Jan 14	70 cm
Jan 21	23 cm
Jan 28	6 metres
Feb 4	2 metres
Feb 11	70 cm
Feb 18	23 cm
Feb 25	6 metres
Mar 4	2 metres
Mar 11	70 cm
Mar 18	23 cm
Mar 15	6 metres
Apr 1	2 metres
Apr 8	70 cm
Apr 15	23 cm
Apr 22	6 metres
Apr 29	4 metres
May 6	2 metres
May 13	70 cm
May 20	23 cm
May 27	6 metres
Jun 3	2 metres
Jun 10	70 cm
Jun 17	23 cm
Jun 24	6 metres
Jul 1	2 metres
Jul 8	70 cm
Jul 15	23 cm
Jul 22	6 metres
Jul 29	4 metres
Aug 5	2 metres
Aug 12	70 cm
Aug 19	23 cm
Aug 26	6 metres
Sep 2	2 metres
Sep 9	70 cm
Sep 16	23 cm
Sep 23	6 metres
Sep 30	4 metres
Oct 7	2 metres
Oct 14	70 cm
Oct 21	23 cm
Oct 28	6 metres
Nov 4	2 metres

Nov 11	70 cm
Nov 18	23 cm
Nov 25	6 metres
Dec 2	2 metres
Dec 9	70 cm
Dec 16	23 cm
Dec 26	Christmas
Dec 27	Cumulatives:
Dec 28	70cm, 2 metres, 4
Dec 29	metres, 6 metres

2014

Jan 12: AFS Contest CW
 Jan 18: AFS Contest PHONE
 Feb 2: 432MHz AFS
 Feb 3: 80m CC SSB
 Feb 8/9: 1st 1.8MHz Contest
 Feb 12: 80m CC DATA
 Feb 20: 80m CC CW
 Feb 23: 70MHz Cumulatives #1
 Mar 1/2 : March 144 432MHz
 Mar 3: 80m CC DATA
 Mar 8/9: Commonwealth Contest
 Mar 9: 70MHz Cumulatives #2
 Mar 12: 80m CC CW
 Mar 20: 80m CC SSB
 Apr 6: First 70MHz Contest
 Apr 6: RoPoCo SSB
 Apr 7: 80m CC CW
 Apr 13: First 50MHz Contest
 Apr 16: 80m CC SSB
 Apr 24: 80m CC DATA
 May 3/4: May 432MHz-248GHz Contest
 May 3: 432MHz Trophy Contest
 May 3: 10GHz Trophy Contest
 May 5: 80m CC SSB
 May 11: 70MHz Contest CW
 May 14: 80m CC DATA
 May 18: 1st 144MHz Backpackers
 May 22: 80m CC CW
 May 25: 70MHz Cumulatives #3
 Jun 2: 80m CC DATA
 Jun 7/8: NFD
 Jun 8: 2nd 144MHz Backpackers
 Jun 11: 80m CC CW
 Jun 19: 80m CC SSB
 Jun 21/22: 50MHz Trophy Contest
 Jun 29: 50MHz Contest CW
 Jun 29: 70MHz Cumulatives #4
 Jul 5/6: VHF NFD
 Jul 6: 3rd 144MHz Backpackers
 Jul 7: 80m CC CW
 Jul 16: 80m CC SSB
 Jul 20: 70MHz Trophy Contest
 Jul 20: Low Power Contest
 Jul 24: 80m CC DATA
 Jul 26/27: IOTA Contest
 Aug 2: 144MHz Low Power Contest

Aug 2: 4th 144MHz Backpackers
 Aug 3: 432MHz Low Power Contest
 Aug 3: RoPoCo CW
 Aug 10: 70MHz Cumulatives #5
 Aug 13: 80m Club Sprint CW
 Aug 28: 80m Club Sprint SSB
 Sep 6/7: 144MHz Trophy Contest
 Sep 6/7: SSB Field Day
 Sep 7: 5th 144MHz Backpackers
 Sep 10: 80m Club Sprint SSB
 Sep 21: Second 70MHz Contest
 Sep 25: 80m Club Sprint CW
 Oct 4: 1.2GHz Trophy / 2.3GHz Trophy
 Oct 4/5: Oct 432MHz-248GHz Contest
 Oct 5: 21/28MHz Contest
 Oct 8: 80m Club Sprint CW
 Oct 29: 50MHz AFS Contest
 Oct 23: 80m Club Sprint SSB
 Nov 1/2: 144MHz CW Marconi
 Nov 8: Club Calls (1.8MHz AFS)
 Nov 12: 80m Club Sprint SSB
 Nov 15/16: 2nd 1.8MHz Contest
 Nov 27: 80m Club Sprint CW
 Dec 7: 144MHz AFS

Local Rallies & Events

2 February 2014

29th Canvey Radio & Electronics Rally

The Paddocks Community Centre, Long Road, Canvey Island, SS8 0JA

Open 10:30

Parking, Catering, Disabled Facilities, Trade Stands
 Major Amateur Radio and Electronic component exhibitors Selling New and S/Hand equipment .
 Freshly made refreshments.

Free car parking with space outside main doors for disabled visitors

Contact: Vic Rogers G6BHE Tel 01702 308562

NVR@blueyonder.co.uk

www.southessex-ars.co.uk/canveyrally.html

9 February 2014

Harwell Radio and Electronics Rally

Didcot Leisure Centre, Mereland Road, Didcot, OX11 8AY, Oxfordshire.

Radio, electronics and computing trade stalls, secondhand stalls, special interest groups, displays.
 Refreshments. Entrance £2.50.

Open 10:30 to 15:30.

Contact: Ann Stevens 01235 816379 or

rally@g3pia.org.uk

www.g3pia.org.uk

23 February 2014

Rainham Radio Rally

Rainham School For Girls, Derwent Way, Gillingham, Kent, ME8 0BX

Talk in on 2metres using G0BRC.
 RSGB RAIBC RSARS RNARS Peter Weatherall / QRP club, Clifton ARS contest Group

Traders incl Sycom

Contact Trevor, G6LYW, 07717 678795 or

trev@wig1.co.uk

www.brats-qth.org

Cambridge and District ARC Rally

This Rally used to take place every year in March. It was announced in November 2013 that unfortunately there will be no rally in 2014 but it is hoped that one will take place again in 2015.

www.cdarc.co.uk

16 March 2014

Dover Radio Rally

Location: Whitfield Village Hall

www.darc.org.uk/

13 April 2014

West London Radio & Electronics Show

Kempton Park Racecourse.

Open 10:00. Parking, trade stands, catering, disabled facilities. Contact info@radiofairs.co.uk

NOTE: CATS involvement in this event. The CATS bring and buy sale is a permanent feature of this rally.

www.radiofairs.co.uk

15 June 2014

27th Newbury Radio Rally & Boot Sale

Newbury Showground, M4 J13.

The Rally takes place at one of the biggest showgrounds in the south of England.

Newbury Showground is located right next to junction 13 of the M4 Motorway.

Nearest Post Code: RG18 9BB

Open 09:00. Free parking, trade stands, catering, disabled facilities.

Contact rally@nadars.org.uk

www.nadars.org.uk/

27-29 June 2014

39th Hamtronic Show, Friedrichshafen

Messe Friedrichshafen, Germany

Open 09:00 each day

- 63rd DARC Lake Constance Meeting
- with lectures and meetings
- HAM RALLYE - Friday and Saturday
- HAM tent camp
- HAM NIGHT - Saturday

www.hamradio-friedrichshafen.de/ham-en/index.php

6 July 2014

Norfolk ARC Barford Radio Rally

Barford Village Hall

Barford 9 miles SW of Norwich close to A11 and A47

Open 09:00 (traders from 8am), CP, TI, CBS, B&B, C, TS, RSGB Bookstall, Demos.

Contact: David G7URP 01953 457322 or

radio@dcpmicro.com

www.norfolkamateurradio.org

13 July 2014

McMichael Rally & Boot Sale

Reading Rugby Club Holme Park Farm Lane, Sonning Lane (B4446), Sonning on Thames, Reading. RG4 6ST off A4 east of Reading

Open 09:30.

Big Boot Sale Pitches

Barbecue (weather dependant)

Fully Licensed Bar

Plenty of Parking Areas with Disabled special parking on level ground.

Easy access from Reading & A4, A329(M) and M4

First Aid Post

Talk in Station on VHF

Parking, trade stands, catering.

Contact: Pete G8FRC 01189 695 697

www.mcmichaelrally.org.uk

9 November 2014

West London Radio & Electronics Show

Kempton Park Racecourse.

Open 10:00. Parking, trade stands, catering, disabled facilities. CATS bring and buy

Contact info@radiofairs.co.uk

www.radiofairs.co.uk

23 November 2014

CATS 37th Annual Radio and Electronics Bazaar

1st Coulsdon Scout Group headquarters, Lion Green Road in Coulsdon, Surrey. [Map](#)

Open 10:00 to 13:00

Parking, trade stands, bring and buy, refreshments

Contact: enquiries@catsradio.org or

www.catsradio.org

Other Club News & Contact Information

BROMLEY & DISTRICT ARS

Website: www.bdars.org.uk/

Email: info@bdars.co.uk

Meetings: 3rd Tuesday of every month at Victory Social Club, Kechill Gardens, Hayes, Kent, 19:30 for 20:00.

17 Dec - Mince Pie Night/Quiz

21 Jan – AGM

CPREC (CRYSTAL PALACE)

Website: www.gsl.net/g30ou/ or <http://www.g30ou.co.uk/>

Club Net: Wednesdays 20:00 on 145.525 MHz

Meetings: 1st Friday at All Saints Church Parish Rooms, Beulah Hill at 19:30

6 Dec - Computer Construction by Alan O'Donovan G8NKM

3 Jan - TBC

7 Feb – AGM and construction contest

CRAY VALLEY RS

Website: www.cvr.rs

Contact: Lawrie Atkinson G4FAA. (see website)

Club Nets: Wednesdays 21:00 on 145.500/QSY

Meetings: 1st and 3rd Thursdays at 1st Royal Eltham Scouts HQ, Rear of 61 - 71 Southend Crescent, Eltham, London, SE9 2SD.

19 Dec – Christmas Social

DORKING & DISTRICT

Website: <http://www.ddrs.org.uk>

Email: ddrs.secretary@yahoo.co.uk

Contact: George Brind, G4CMU

Club Nets: Sunday 08:15 on 3.770 MHz & Thursday 20:00 on 144.775 MHz

Meetings: Friends Meeting House, Butterhill, South Street Dorking at 19:30.

6 Dec - Christmas Dinner at the White Horse, Dorking

HORSHAM ARC

Website: www.harc.org.uk

Club Nets: Saturdays 21:30 on 144.725MHz and Sundays 10:00 on 3.722 MHz

Meetings: 1st Thursday at The Guide Hall, Denne Road, Horsham, Sussex

5 Dec - AGM

MID SUSSEX ARS

Website: www.msars.org.uk

Club Nets: Sundays 08:00 on 3.740 MHz and at 11:00 on 145.350 MHz, Wednesdays 20:00 on 145.350 MHz and Daily 13:30 on 21.330 MHz

Meetings: Every Friday at Cyprus Hall, Cyprus Road, Burgess Hill, West Sussex for 19:45

13 Dec – Christmas Dinner

REIGATE ATS

Website: www.gsl.net/rats

Email: rats@gsl.net

Club Nets: Thursdays 20:00 on 145.500 MHz and Sundays 20:00 on 3.740 – 3.760 MHz

Meetings: 3rd Thursday at RNIB, Redhill College, Philanthropic Road, Redhill for 19:30

SRCC

Website: www.g3src.org.uk

Contact: John Kennedy G3MCX, 020 8688 3322

Club Nets: Sunday 09:30 on 1905 kHz

Daily natter channel – 144.215 MHz at 19.30.

Meetings: 1st & 3rd Mondays at Trinity School, Shirley Park, Croydon CR9 7AT 19:45 for 20:00

2 Dec - 4-square phase steerable beam antenna for 21MHz by Garth Swanson G3NPC

6 Jan – GB3NS by Denis G0OLX

3 Feb – Talk TBC

3 Mar - Surplus equipment sale

7 Apr – AGM

12 May – DIY Solar Hot Water by Les G7VML

2 Jun – Talk TBC

7 Jul – BBQ

4 Aug – TBC

1 Sep – TBC

6 Oct - TBC

SUTTON & CHEAM RS

Website: www.scrs.org.uk

Contact: John Puttock G0 BWV 020 8644 9945

Club Nets: Monday 20.00 on 145.500 MHz

Saturday 11.00 on 145.500 MHz

Meetings: 3rd Thursday at Sutton United Football Club, The Borough Sports Ground, Gander Green Lane, Sutton. 19:30 for 20:00

12 Dec – Christmas Junk Sale

16 Jan – Loops and small antennas by Mike G3LHZ

20 Feb – TBC

20 Mar – ALMA by Neil Phillipson of Astronomia

17 Apr – TBC

15 May – AGM and constructional contest

WIMBLEDON & DISTRICT ARS

Website: www.gx3wim.org.uk (currently unavailable also checked 28.10.13))

Contact: Andrew Maish G4ADM

020 8335 3434

andrew.maish@ATntworld.com

Club Net: Mondays 20:45 on 145.500 MHz

Meetings: 2nd & last Friday of each month at

Martin Way Methodist Church, Buckleigh Avenue, Merton

13 Dec: Christmas Social

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