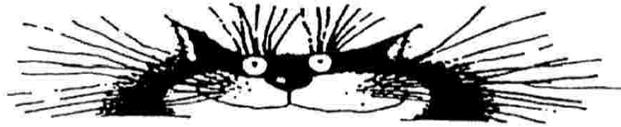


# COULSDON AMATEUR TRANSMITTING SOCIETY

**G4FUR**



**M1FUR**



**“CATS WHISPERS”**

Affiliated to the RSGB

## June 2016

### **CATS Committee**

Chairman: Stuart Barber G6CJR  
Secretary: Andy Briers G0KZT  
Treasurer: Steve Conway G7SYO  
Members: Mike Buckley M1CCF  
          : Dave Bassett M0TRQ  
Vacancies: Currently remains at two

**CATS Whispers Editor:** Andy Briers G0KZT  
email address for contributions: [newsletter@catsradio.org](mailto: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**

Sunday mornings                   - 11:00 - Call on 145.400 MHz ± QRM  
Sunday evenings                   - 17:00 - Call on 3.700 MHz ± QRM  
Wednesday evenings               - 21:00 - Call on 70.425 MHz

**CATS Website** [www.catsradio.org](http://www.catsradio.org)

**Email** [enquiries@catsradio.org](mailto:enquiries@catsradio.org)

### **Forthcoming Meetings**

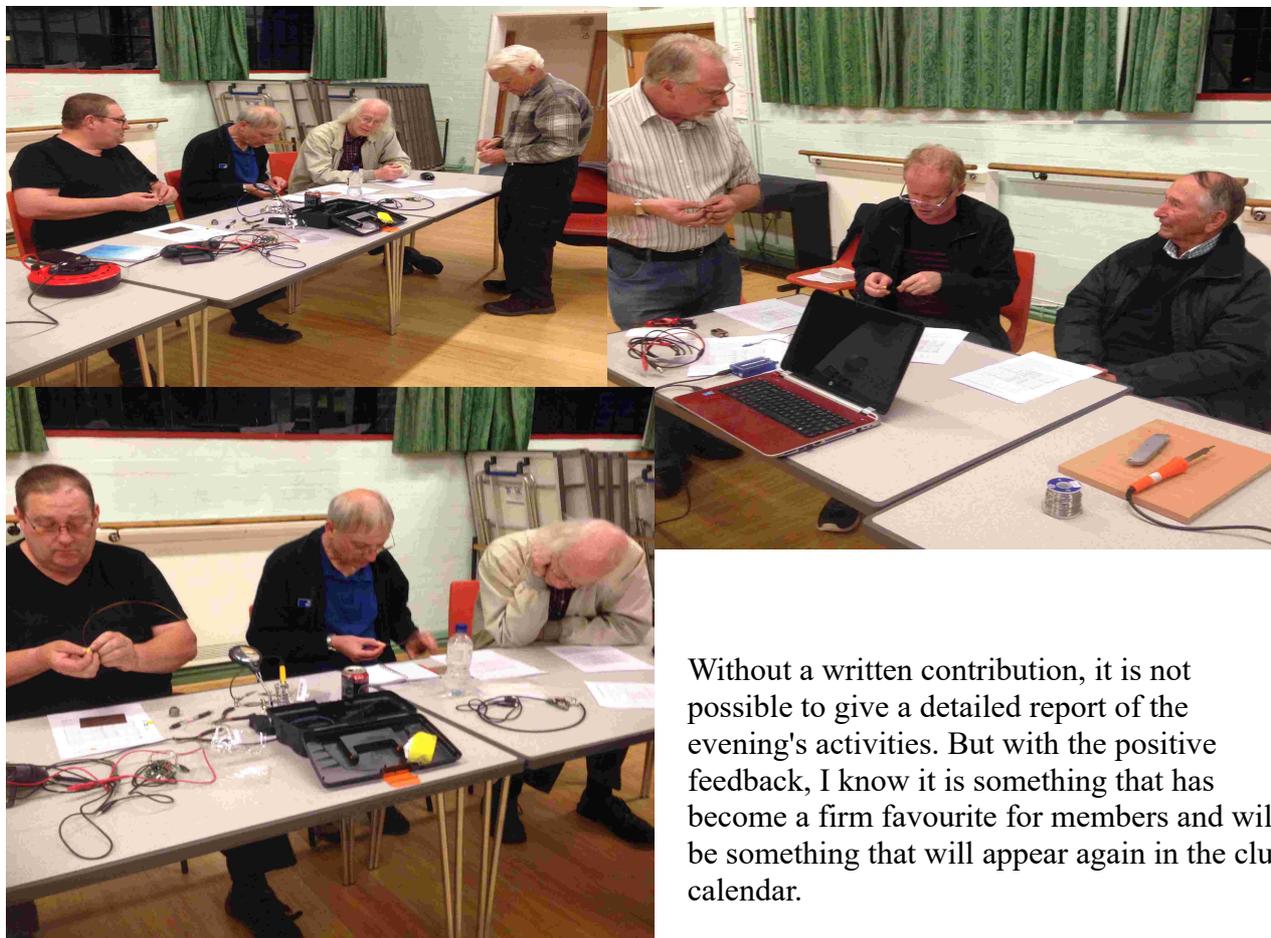
Monday 13<sup>th</sup> June – DF Hunt by Denis Noe M0NDJ at Banstead Woods  
Monday 11<sup>th</sup> July – TBA  
Monday 8<sup>th</sup> August – Annual Cub BBQ at Prue's G4RWW  
Monday 12<sup>th</sup> September – One Man & His Guide Dog – Guest Speaker Paul Harman



CATS are twinned with the Crescenta Valley Radio Club  
Glendale California USA [www.qsl.net/cvrc](http://www.qsl.net/cvrc)

## **May Meeting - De-brief - Construction Evening – Part 2 by Steve Beal G3WZK**

While I personally was unable to attend our May meeting due to work commitments, I received a number of positive emails from members who had been in attendance and who expressed how much they have enjoyed the construction evenings organised by Steve Beal G3WZK.



Without a written contribution, it is not possible to give a detailed report of the evening's activities. But with the positive feedback, I know it is something that has become a firm favourite for members and will be something that will appear again in the club calendar.

On behalf of the club, I would like to thank Steve for sourcing all the kits and components on our behalf and being the spearhead of construction within our Society. I would also like to express my thanks for the generous offers of substitute topics as a reserve in case Steve was unable to attend which we gladly did not have to use.

Andy Briers G0KZT

## **June Meeting – DF Hunt Organised by Denis Noe M0NDJ**

Information was sent out via email to members in advance of this newsletter. However, all the important information is repeated here.

This year, the location will be in the Banstead Woods area. To reach the start, approach via Holly Lane and enter the small lane that runs in a southerly direction. The public car park is then the first on the left, very close to the Council depot. See the link below:

<https://www.google.co.uk/maps/place/Banstead,+Surrey/@51.3101605,-0.1861433,18z/data=!4m2!3m1!1s0x4875e28ab13ec325:0xf9b8f792b81f542c>



The RVP is the car park of Park Farm, Banstead. The DF Hunt will commence at 7.30pm (to make the most of the daylight)

We are very grateful to Dennis who is not only organising the event for us again this year but will also supply all the necessary equipment. There will be two or three different “foxes” to locate. Afterwards, we will gather at the Ramblers' Rest public house to discuss the highs and lows of the event. As usual, all members are welcome to attend whether or not they intend to take part in the DF Hunt proper.

### **July Meeting**

Your Committee are still attempting to firm up details of this meeting. We have had a suggestion from Martin Broadway G4GFI for an evening of operating on 2 Metres SSB. There has been a call nationally for increased activity on Monday nights and could be an ideal to get the club on the air and take advantage of the activity. The Committee are mindful however that St Swithun's Church Hall is not the most ideal VHF location and have discussed whether the scout HQ in Banstead is better sited. They are trying to co-ordinate a joint activity with the other guys who meet each Monday at the Scout hall. Watch out for updates in your inboxes!

### **August Meeting**

Prue, G4RWW has kindly offered to host our annual club BBQ at her home in Croydon. Food is provided by the Society and members are requested to bring along their own alcoholic drinks. So that we can have an idea of how much food we need to get, we are requesting an RSVP for that evening. Please let your secretary know in advance.

### **September Meeting – One Man & His Guide Dog by Paul Harman**

We have a special guest speaker coming along to give us a talk on his life and how it has been enhanced by his guide dog Spencer. Paul has kindly accepted our invitation and we really look forward to welcoming him to CATS.

**As this is a non-radio talk, it may be of interest to family and friends, so why not spread the word!**

## Play Weekend – Saturday 23<sup>rd</sup> to Sunday 24<sup>th</sup> July

This weekend out playing radio is now confirmed and we will be pitching up at Crossways Farm located at the top of Reigate Hill. The date has been cleared with the farmer and he has kindly allowed us to use his land. This event will take place on the weekend prior to the Wimbledon Club Camp.

As stated in previous CATS Whispers, there are no contests taking place during this weekend so operation will be casual and more importantly, fun! (not that contests aren't of course) Members are encouraged to bring their own kit to show and tell. There will be a minimum of an HF station using the club Icom IC-706MKiiG and a VHF/UHF station provided by G0KZT with his Kenwood TS-2000. It is also anticipated that there will be some DMR kit on display for members to try.

It would be MOST useful for members to register their interest AND if they are bringing any of their own kit (e.g. radio, aerial, mast) and what power they will require. The club has two petrol generators but would welcome any ideas on green/renewable power.

It is planned to provide a BBQ on the Saturday evening for members to cook their own food and I suspect there will be a fry up on the Sunday morning. There will be some very basic cooking facilities and the means to boil a kettle provided. Anyone thinking of having a cordon bleu menu may wish to bring their own equipment!



The farm is accessed from Crossways Lane. If travelling by car, it is near to Junction 8 M25 and can be found by travelling North on the A217, turning Right at the first roundabout into Babylon Lane. The entrance to the farm is opposite the end of the road.

If travelling from Coulsdon, take the first left turn off of Chipstead Valley Road having passed Lion Green Road and simply follow this until it turns into High Road and turn left into the farm.

There is a **very** limited bus service that stops on the Brighton Road near to the M25 junction.

Essential details for Sat Navs is RH2 0TX. Please note there is no vehicular access from Gatton Bottom.

Local contact via 145.400 MHz or by calling G0KZT on his mobile 07729 866600.

## **CATS Outings and Rallys - Update**

### **Lincoln Hamfest - 30<sup>th</sup> September - 1<sup>st</sup> October**

Just a reminder that Mike Buckley M1CCF will be making the journey to the Lincoln Hamfest and has spare seats in his car if anyone would like to join him. He is however going on the Friday only which apparently is the best time to go to catch all the bargains. Contact him direct to express your interest.

### **Membership News!**

We are pleased to announce that we have a new member. Conrad James G0GFY, who lives in Croydon, found us and decided to join. He lists his main interest as “Communication” but also lists his other interests as cricket and gardening.

Welcome Conrad! We look forward to seeing you soon.

### **Her Majesty The Queen's 90<sup>th</sup> Birthday Celebration**

Mike M1CCF reported back to Committee that he was unable to establish what St Swithun's Church had intended to do over 11<sup>th</sup> & 12<sup>th</sup> June. It is with great reluctance and regret that we will not be putting GB2ER on the air.

### **Trip to Amberley Museum & Heritage Centre – Saturday 14<sup>th</sup> May**

Mike M1CCF and his wife Shelia, Paul M0JXN and his wife Zoe and their two children, Andy G8JAC and his wife Jan, Stuart G6CJR and finally myself with my family Dawn, my two daughters Melissa & Jessica and Dawn's father Roy met in the car park prior to entering the museum. Mike managed to negotiate a group entry ticket which effectively meant that the adults entered for about £1.50 less than the normal entry price and all the children went in free! Once inside, Andy and Paul with their group headed in one direction, Mike and Shelia in another and the remainder of the group in yet another.

The weather improved throughout the day with glorious sunshine from lunchtime onwards. The grounds were not as busy as expected and the exhibits spread out through the grounds of the old quarry were easily accessed. Near to the entrance was the radio exhibit, the print works and an impressive exhibition of WW2 vehicles and memorabilia, including the story of the evacuation and the D-Day landings. A gentleman gave a most informative talk about the preparations for D-Day and had probably the only existing map of inland operations and departure points to cross the Channel.

The radio station was visited and the visitors book was duly signed. The station was being operated by an Intermediate licence holder who was making the most of his supervised operation. He did bemoan however that the HF bands weren't up to much.



There was also a mock village telephone exchange which my daughters found most interesting as there were old style telephones which they could call each other on.

And of course to old 50 volt relays that clattered and clunked as they dialled the numbers.

Transport around the museum is either by a preserved South Down bus or via the narrow gauge light railway.





As you move through the grounds, you come across exhibitions of various trades and crafts. These are small working industries that make items to buy or indeed take special orders too. Stuart found a chap who whittles Ash tent pegs (amongst other things) which are almost impossible to buy. These are used by Scout groups for their larger ridge style tents.



There was an impressive exhibition of tele-communication sponsored by British Telecom. As well as more old telephones to play with, there were also exhibits of teleprinters and the telegraph cables that were laid beneath the sea. The preserved vehicles were very impressive too and were immaculately presented. I guess probably too well as they all looked like they had never seen service!



Also present were the Austin Healey owners club. One of the owners allowed Melissa & Jessica to sit in their car. Melissa said she wanted one when she could drive! This example, we were told, used to be left hand drive and had been found in a very sorry state in an old barn.



Various places were found to take lunch either near to the cafeteria or in the grounds.

The staff at the respective locations were both friendly and approachable. The chaps at the print works encouraged Melissa & Jessica to get involved and let them do some “proper” printing of their own.



Just a few of the radio displays.





Bottom right (on previous page) is a mock up of the late G8QU's shack that was donated to the museum.

The radio section has a vast array of radio and television sets, along with displays of valves, especially from those times when to receive public broadcasts, you had to build your own sets.

We were the last group to leave and if we could have done so, we would have stayed longer! But the staff had homes to go to and we reluctantly headed off to the car park.

A thoroughly good day was enjoyed by us all. I would fully recommend a visit to anyone, old or young.

My thanks to Mike M1CCF and my daughter Melissa for providing the photographs.

And while on the subject of historic vehicles.....

### **ETHANOL in unleaded petrol damages OLD VEHICLES**

If you are the owner of a vintage petrol vehicle you are probably fully aware of the increased ETHANOL content in unleaded petrol and the effect this has on seals and some metals in the fuel system, carbs can also get gummed up. The Historic Vehicles federation recommends an additive, and one such is FROST ETHOMIX which comes in small containers sufficient for 250 Ltrs of fuel, added at the point of fill-up. Another expense I know, but it seems likely to save an even greater expense later. To reduce the cost I have purchased a full box of bottles and am now selling the surplus at cost price to me. Let me know in advance and I will bring one along to the next Club Night at St Swithuns.

By post direct from Supplier about £18 including postage **IF YOU COLLECT FROM ME, CASH IN HAND, £10 EACH.**

Oh, this problem is nothing to do with the earlier problem of unleaded when 4\* became unavailable.

Mike M1CCF  
020 8654 2582

## Crystal Palace Club 60<sup>th</sup> Anniversary Event

The Crystal Palace Radio & Electronics Club will be running a special event station on 12th June 2016, callsign GB6CPR, to celebrate the 60th year since their foundation. Operation will be on the HF and VHF bands at 21 Overhill Way, Beckenham, Kent and will coincide with a street party in the same road. The station will be accessible to the public.

Contacts will be most appreciated.

73

*Bob*

Bob F Burns G30OU, G-QRP 6907, @BobFBurns

Crystal Palace Radio & Electronics Club: [www.g30ou.co.uk](http://www.g30ou.co.uk)

Technical web site: [www.qsl.net/g30ou](http://www.qsl.net/g30ou)

## Radio Waves Now Available

The latest edition of the ARRL publication **Radio Waves** is now available for free download.

The Spring 2016 edition of ARRL's Radio Waves newsletter aimed at Amateur Radio license instructors and radio science educators includes:

- Amateur Radio as a Tool for Home Schooling
- Fox Hunting for Hands-on Fun while Learning
- ARISS News
- Girl Scouts Think Out Loud on Amateur Radio for Thinking Day on the Air
- Resources for Classroom Instruction
- Teaching Electronics to Middle Schoolers (and Beyond)
- Recent Licensing Statistics

Download Radio Waves Spring 2016

[http://www.arrl.org/files/file/Radio%20Waves%20Newsletter/Spring\\_2016\\_Radio\\_%20Waves%20.pdf](http://www.arrl.org/files/file/Radio%20Waves%20Newsletter/Spring_2016_Radio_%20Waves%20.pdf)

Previous issues are at

<http://www.arrl.org/radio-waves>

## Foundation Course News

Our friends at the Bromley club have announced that they are running the following Foundation and Intermediate and full licence courses.

2016 Foundation Course (2 day): Sundays 18th and 25th September **Please note change!**

2017 Intermediate Course (3 day): Three Sundays in February, March or April TBD

Please note, an Advance Course commenced in May and by the time CATS Whispers is sent, the June session will have already taken place. It may not be too late to catch up. Sessions run until 20<sup>th</sup> November (N.B. Clashes with CATS Bazaar).

For further information contact Email: [enquiries@bdars.co.uk](mailto:enquiries@bdars.co.uk) or Andy G4WGZ on 01689 878089

## Contests Corner

Here is a reminder of what contests are available in June and July.

<b>RSGB Contests in June</b>		
Tuesday 14 <sup>th</sup> June	432 MHz UK Activity Contest	2000 - 22330 LOC
Wednesday 15 <sup>th</sup> June	80m CC CW	1900 – 2030 UTC
Tuesday 21 <sup>st</sup> June	1.3 GHz UK Activity Contest	2000 – 2230 LOC
Thursday 23 <sup>rd</sup> June	80m CC SSB	1900 – 2030 UTC
Tuesday 28 <sup>th</sup> June	SHF UKAC	2000 – 2230 LOC
Tuesday 24 <sup>th</sup> June	50 MHz UK Activity Contest	2000 – 2230 LOC

<b>RSGB Contests in July</b>		
Sat 2 <sup>nd</sup> – Sun 3 <sup>rd</sup> July	VHF NFD	1400 – 1400 UTC
Sunday 3 <sup>rd</sup> July	3 <sup>rd</sup> 144 MHz Backpackers	1100 – 1500 UTC
Monday 4 <sup>th</sup> July	80m CC CW	1900- 2030 UTC
Tuesday 5 <sup>th</sup> July	144MHz UK Activity Contest	2000 - 22330 LOC
Tuesday 12 <sup>th</sup> July	432 MHz UK Activity Contest	2000 - 22330 LOC
Wednesday 13 <sup>th</sup> July	80m CC SSB	1900 – 2030 UTC
Tuesday 19 <sup>th</sup> July	1.3 GHz UK Activity Contest	2000 – 2230 LOC
Sunday 17 <sup>th</sup> July	70 MHz Trophy	1000 – 1600 UTC
Thursday 21 <sup>st</sup> July	80m CC Data	1900 – 2030 UTC
Tuesday 26 <sup>th</sup> July	SHF UKAC	2000 – 2230 LOC
Tuesday 26 <sup>th</sup> July	50 MHz UK Activity Contest	2000 – 2230 LOC
Sat 30 <sup>th</sup> – Sun 31 <sup>st</sup> July	IOTA Contest	1200- 1200 UTC

## **Rallies & Events**

### **19<sup>th</sup> June – Newbury Radio Rally**

Newbury Showground near to junction 13 of M4 Postcode RG18 9BB

9.00am to 3.30pm. Entry £2.50 (u16's free) + free parking. More information email [rally@nadars.org.uk](mailto:rally@nadars.org.uk)

### **17<sup>th</sup> JULY - McMICHAEL RADIO RALLY**

Reading Rugby Football Club, Holme Park Farm Lane, Sonning Lane (B4446), Sonning on Thames, Reading RG4 6ST. Doors open at 9.30am and admission is £2. Details from Pete, G8FRC on 0118 969 5697 [[www.mcmichaelrally.org.uk](http://www.mcmichaelrally.org.uk)]

### **29<sup>th</sup>-31<sup>st</sup> JULY AMSAT-UK COLLOQUIUM**

Holiday Inn, Egerton Rd, Guildford, Surrey GU2 7XZ.

### **14<sup>th</sup> AUGUST FLIGHT REFUELLING ARS HAMFEST**

Cobham Sports and Social Club Ground, Merley, Nr Wimborne, Dorset BH21 3DA. Gates open at 10am and admission is £3.50. Details from Tony Baker, G3PFM by email to [hamfest@frars.org.uk](mailto:hamfest@frars.org.uk). [[www.frars.org.uk](http://www.frars.org.uk) ]

### **30<sup>th</sup> SEPTEMBER & 1 OCTOBER NATIONAL HAMFEST**

Newark & Nottinghamshire Showground, Lincoln Road, Winthorpe, Newark, Nottinghamshire NG24 2NY. Brought to you by the RSGB in association with the Lincoln Short Wave Club. [[www.nationalhamfest.org.uk](http://www.nationalhamfest.org.uk)]

**2<sup>nd</sup> OCTOBER BRITISH VINTAGE WIRELESS SOCIETY AUTO JUMBLE** The Angel Leisure Centre, Tonbridge, Kent TN9 1SF. Doors open from 10.30am to 4.30pm. . For bookings/enquiries please ring 01892 540 022 (8pm to 9pm only). [[www.audiojumble.co.uk](http://www.audiojumble.co.uk)].

### **7<sup>th</sup>-9<sup>th</sup> OCTOBER RSGB CONVENTION**

Kent's Hill Park Training and Conference Centre, Swallow House, Timbold Drive, Kent's Hill Park, Milton Keynes, Buckinghamshire MK7 6BZ.

The Convention programme of lectures for all interests will be available on the website. Principal sponsor Martin Lynch & Sons. [[www.rsgbevents.org](http://www.rsgbevents.org)].

### **6<sup>th</sup> NOVEMBER - WEST LONDON RADIO & ELECTRONICS SHOW (Kempton Rally)**

Kempton Park Racecourse, Staines Road East, Sunbury on Thames, TW16 5AQ.

Doors open at 9.50/10am. There will be trade stands, a flea market, a Bring & buy, special interest groups and an RSGB bookstall. A raffle will take place during the day and a lecture stream will be available. There are catering outlets on site. More information from Paul, M0CJX on 08451 650 351 or by email [tinfo@radiofairs.co.uk](mailto:tinfo@radiofairs.co.uk). [[www.radiofairs.co.uk](http://www.radiofairs.co.uk)].

### **20<sup>th</sup> November – CATS 39<sup>th</sup> Annual Radio & Electronics Bazaar**

## **CATS Bazaar 2016**



### **CATS 39th Radio & Electronics Bazaar**

**Sunday 20<sup>th</sup> November 2016**

**10.00am until 2.00pm**



***We have a brand new, spacious venue with plenty of free parking!***

***Location: Oasis Academy Coulsdon, Homefield Road,***

***Old Coulsdon, CR5 1ES***

***Just £1.50 entry which still includes a free tea/coffee!***



#### **Second Hand Equipment**

Flea Market Tables

Refreshments

Trader Stalls

Fully accessible facilities

CATS Bring & Buy – You bring it, we sell it for you\*

\* Subject to a 10% commission



***We are accepting applications from traders, clubs & individuals who would like to rent a space in the main hall and the cafeteria. Contact [enquiries@catsradio.org](mailto:enquiries@catsradio.org) or visit [www.catsradio.org](http://www.catsradio.org) for more info.***

## **Other Club News & Contact Information**

### **BROMLEY & DISTRICT ARS**

Website: [www.bdars.org.uk/](http://www.bdars.org.uk/)

Email: [info@bdars.co.uk](mailto:info@bdars.co.uk)

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

Tuesday 21<sup>st</sup> June – Direction Finding

Tuesday 19<sup>th</sup> July - Aerials (Construction and Testing)

Tuesday 16<sup>th</sup> August - Social and On-Air Evening

Tuesday 20<sup>th</sup> September - Digital Mobile Radio

## **CRYSTAL PALACE & DISTRICT RADIO SOCIETY**

Website: [www.qsl.net/g3oou/](http://www.qsl.net/g3oou/) or <http://www.g3oou.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

Friday 1st July - The Tracking of Balloons

Friday 5th August - Summer Social

Friday 2nd September - Short Talks: Geographical Mapping and Eutectic Points

## **CRAWLEY ARC**

Website: [www.carc.org.uk](http://www.carc.org.uk)

Meetings: Every Wednesday at Hut 18, Tilgate Forest Recreational Centre, Tilgate Forest, Crawley from 19:30, and Sundays, 10:30 to 13.00.

Wednesday 22nd June - off-air frequency standards by Bob Burns, G3OOU..

## **CRAY VALLEY RS**

Website: [www.cvrs.org](http://www.cvrs.org)

Contact: Richard Cains G7GLW [rcains@btinternet.com](mailto:rcains@btinternet.com)

Club Nets: Wednesdays 21:00 on 145.500/QSY, 22:00 on 3.720 ± QRM, Sundays 11:00 on 3.720 ± QRM

Meetings: 1st and 3rd Thursdays at

1st Royal Eltham Scouts HQ, Rear of 61 - 71 Southend Crescent, Eltham, London, SE9 2SD.

16<sup>th</sup> June - DF Hunt by Guy G0UKN

19<sup>th</sup> June - Museums on the Air: GB2CM at Crossness Museum – Kevin M0KSJ

7<sup>th</sup> July - A25UK: Botswana 2016 – Nobby G0VJG and Giles M0TGV

23<sup>rd</sup> July - BBQ – Dave M6FDG

## **DORKING & DISTRICT**

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

Email: [ddrs.secretary@yahoo.co.uk](mailto: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

## **HORSHAM ARC**

Website: [www.harc.org.uk](http://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

June 16th, Social Evening: The Sportsman – Amberley

July 7th, Club Night: EMC

## **MID SUSSEX ARS**

Website: [www.msars.org.uk](http://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

Friday 10<sup>th</sup> June - Open Evening for Burgess Hill Town Festival

Shack opening times to Public 7.00 pm to 9.00 pm Shack open from 6.30 pm to 10.00 pm

Friday 24<sup>th</sup> June - Chairman's Barbeque - QTH is G6YPY

## **SURREY RADIO CONTACT CLUB**

Website: [www.g3src.org.uk](http://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 19:30 for 19:45.

18th July - BBQ @ QTH Prim & Maurice

1<sup>st</sup> August - Kenya Safari by Peter G3ZPB

5<sup>th</sup> September - Test Equipment with Bob G3OOU

## **Sutton & Cheam Radio Society**

Sutton United Football Club. The Borough Sports Ground, Gander Green Lane, Sutton, Surrey, SM1 2EY

Web site: <http://www.scrs.org.uk>

General Enquiries e.mail: [info@scrs.org.uk](mailto:info@scrs.org.uk)

16<sup>th</sup> June – DMR Update by Denis Stanton G0OLX

21<sup>st</sup> June - Fault Finding with Leslie Butterfields – G0CIB

18<sup>th</sup> August - Kite & Balloon Supported Antennas with Roger Stafford – G4ROJ

15<sup>th</sup> September - AROS (Amateur Radio Observation Service) with Vince Shirley – G0ORC

17<sup>th</sup> November - Millimetric Microwaves with Chris Whitmarsh – G0FDZ

*Submissions are most welcome from CATS members, Local clubs and societies*

*CATS Whispers is published monthly by Andy Briers G0KZT on behalf of the*

*Coulsdon Amateur Transmitting Society.*

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**CATS fully support the current RSGB Child Protection Policy - Follow the link on the CATS Website**