

COULSDON AMATEUR TRANSMITTING SOCIETY

G4FUR



M1FUR



“CATS WHISPERS” August 2016

Affiliated to the RSGB

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

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

Email enquiries@catsradio.org

Forthcoming Meetings

Monday 8th August – Annual Cub BBQ at Prue's G4RWW
Monday 12th September – One Man & His Guide Dog – Guest Speaker Paul Harman
Monday 10th October – TBA
Monday 14th November – ICQ Podcast by Martin Butler M1MRB/W9ICQ



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

July Meeting – 2m Activity Evening at Banstead Scout HQ.

A total of 12 members attended this month's meeting which took place alongside the usual activity evening hosted by the members of the Sutton & Cheam Society. We were made most welcome with a cuppa and a biscuit and there was a opportunity to have a chat with those guys. However, while we made our station in a side room, the main topic in the main hall was an Intermediate course.

To save a bit of time on the night, Stuart G6CJR, Denis M0NDJ and Andy G0KZT arrived on site on the Sunday evening beforehand to get the mast and aerial set up. This consisted of a Clarke SCAM 12 mast owned by Denis along with a rotator. G0KZT provided a 7 element ZL-Special to top it off.

On the night, Stuart provided his Kenwood TS-2000 and operation began at around 8.15pm with Martin G4GFI whose idea it was to do the 2 metre activity session. Monday nights have been designated as an activity night for 144 MHz after it was realised that SSB activity was low and needed some focus to promote the band. Martin later joined us at the hall. Our other CATS member contact was with Colin G3YCR. In total we made 7 contacts, the furthest being only in St Albans.

The CATS Committee made the cash donation of £2 per member to the Sutton & Cheam Society for the use of their hall. Of course, CATS members are welcome every week but we'd prefer you attended our meeting on the 2nd Monday!

August Meeting – CATS Annual BBQ at QTH Prue G4RWW

By the time you receive this newsletter, the numbers will have been finalized for this year's BBQ. The food is provided by the Society and members attending are requested to bring along their own alcoholic drinks.

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

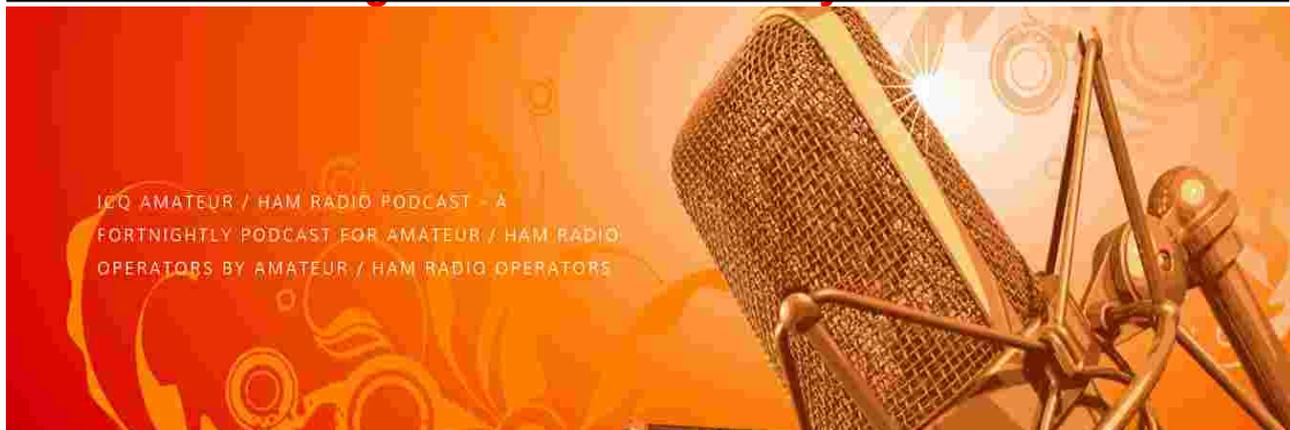
We have a special guest speaker coming along to give us a talk on his life and how it is enhanced by his guide dog Spencer. Paul has kindly accepted our invitation and we really look forward to welcoming him to CATS.

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

October Meeting – To Be Confirmed..

Your committee are still working on this one but it is hoped that we will be inviting a local historian to talk about the local history of Coulsdon and the site of Cane Hill Hospital where a large housing estate is currently being built.

November Meeting – The ICQ Podcast by Martin Butler M1MRB



Our November meeting will be a presentation by Martin Butler M1MRB/W9ICQ on his fortnightly Podcast, The ICQ Podcast.

Visitors and guests would be most welcome to join us for this presentation.

Membership News

We are pleased to announce that we don't just have one new member, but two!

We were pleased to welcome Edd Christmas G0GOS and John Phelps G6DFM to the Play Weekend after Edd got in touch prior to the event asking if he could pop up. On the Sunday Edd brought John along and both duly requested application forms. Edd lives in Surbiton and John in Chessington

Edd lists that he enjoys HF SSB and CW operating. Outside of radio, Edd enjoys DIY, camping and photography.

John lists that he has recently returned to amateur radio after being silent for the last 25 years. He is interested in all aspects of amateur radio HF and VHF and over the winter would like to get into PSK and RTTY. Outside of radio he enjoys genealogy, playing guitar, gardening, and DIY. He is also a volunteer steward at Brooklands Motor and Aviation Museum.

Welcome to our Society guys, you're both most welcome!

CATS Play Weekend – Debrief by Andy Briers G0KZT

On the weekend of 23rd and 24th July, 10 members and 4 guests enjoyed some enjoyable operating at the top of Reigate Hill. The weather was glorious, perhaps slightly too hot for the purpose of setting up. The field given to us by Mr Kent, the owner of Crossways Farm was the flat field to the south of his land. I say flat. We have to remember that this is a working farm and the entrance to the field had some rutts caused by his tractor in the wetter weather we have suffered recently. But, careful driving and choosing the best route in made sure that all the vehicles made it onto the field undamaged.

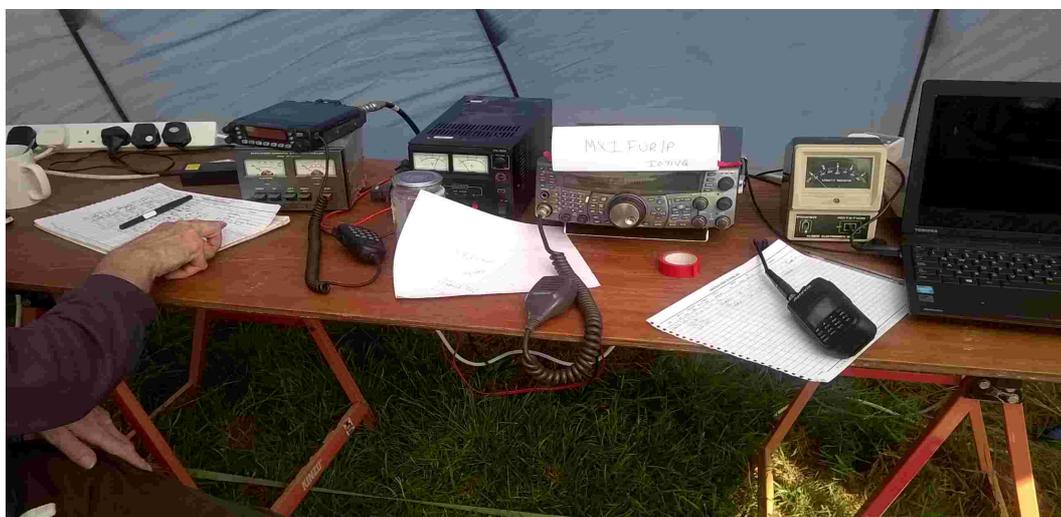
Preparations began as early as the Friday morning when Adam G7CRQ had collected a specially fitted Ford Transit that belonged to his environmental group which housed a bank of batteries

charged by a huge solar panel on the roof. More about that later. He dropped by my QTH to collect my Scam 12 mast, the club tent, tressle tables (collected earlier from G3WZK) and other equipment that would have been too bulky to transport myself.

At 9.00am on the Saturday morning, Adam G7CRQ, Denis M0NDJ, Stuart G6CJR, John G1RUV, Frank G3ZMF, Vince G1HRD with his son, and myself arrived on site and began to put the station together. The first job was to erect the club tent to give ourselves some shelter from the sun. The positions were chosen to site the two Clark 'Scam 12' 40 foot masts in use, one owned by Denis and one by me. Denis had pledged to provided a 3 element Tri-band HF beam and G0KZT to provide a VHF/UHF station. Work continued until around mid-day when both masts were fully assembled with their hardware attached.



The HF station initially consisted of the club Icom IC-706 but was later to be replaced by a Kenwood TS-2000 belonging to G6CJR. This was mainly because of the complexity of navigating the menu system to adjust power output. We had been joined by Terry G4CDY who did manage to “decode” the menu, perhaps more by luck. Later, a random wire was attached to the halyard which had been placed onto the mast when first erected to which a small portable section mast was used to secure the opposite end.



The VHF/UHF station consisted of two stations, A Yaesu FT-7800 running into a dual band co-

linear on the top of the second mast; and a Kenwood TS-2000 running into a 7 element ZL Special for 2 metres and a 19 element Tonna for 70cms, both horizontally polarized. Other equipment including several hand helds were chirping away in the background listening to either GB3NS and on DMR using GB7NS via a Retevis RT3.



The antenna farm: HF on the left, VHF/UHF on the right. And plenty of blue sky!

As well as being joined by Terry G4CDY, Peter M6GQZ and later by Kim G6JXA who was collected from Banstead having travelled there by bus. Towards the end of the evening we were also joined by Melvyn G4MOF, our first guest. Sadly Melvyn had a bit of difficulty finding the site which could be another story entirely I believe! Frank G3ZMF had not been feeling too well from the time he arrived and while he managed to get on site, he sadly had to call it a day fairly early into the operation and retire back to QTHR.

The farmer had his security lock-down at 10.00pm so the stalwarts who decided to remain on site who included G1HRD, G7CRQ, G6CJR and G0KZT settled in for the night. Operation continued until around mid-night before everyone turned in for the night.

G0KZT was the first to rise with an alarm call at 6.30am. It had been planned to try and make contact with one of our DX members, Laurence "Flo" Howell G4DMA/KL7L in Alaska. There had been some email exchange to fine tune the contact and because of the lack of a proficient CW operator, it was decided to use PSK31 on 20 metres. It was possible to auto repeat our call and while we were decoded in Alaska, unfortunately Laurence could not get the tones to transmit out of his radio. Again, following an email, we went for an attempt to make an SSB contact and, under difficult conditions, we were eventually successful. Great to hear your voice again Flo!

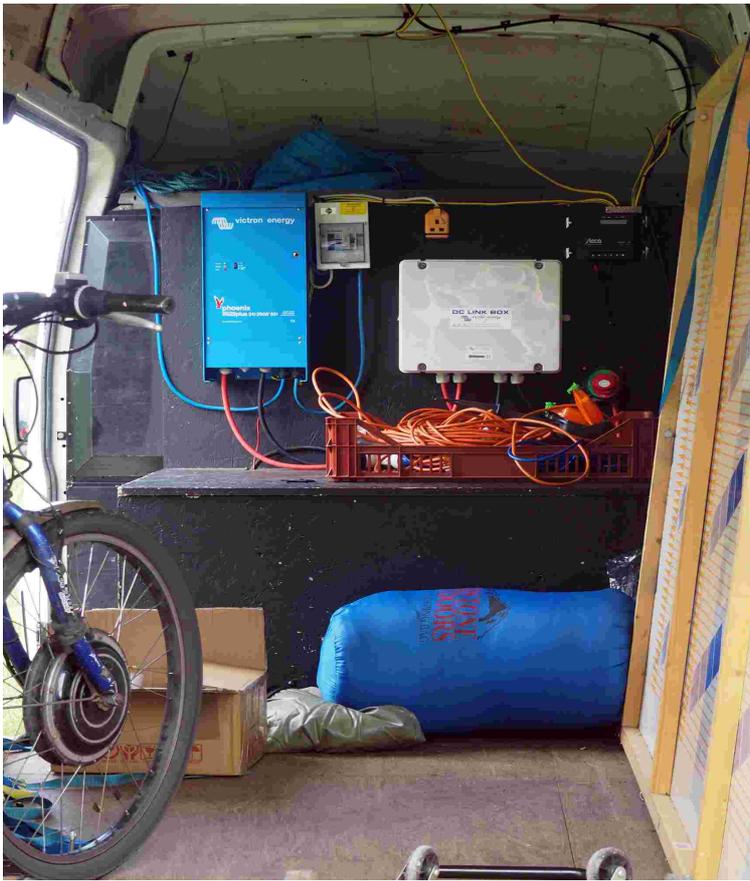
Sunday was a slightly cooler day which was a little overcast in the morning and was a relief from the heat of Saturday. Slowly those hardy campers began to rise and operation recommenced. We

were joined by our honoray member Len West G0GNQ who made the journey from his home in Margate to be with us. He was also accompanied by Ian Warnecke 2E0DUE who is one of his fellow club members in Margate. Kim G6JXA was once again collected from Banstead and Denis M0NDJ rejoined us again to undertake his time to play. Prior to the event, G0KZT had been contacted by Edd Christmas G0GOS who had asked if he could pop along. He arrived with his friend John Phelps G6DFM.



John Phelps G6DFM (left) and Edd Christmas G0GOS (right)

We made a call for the CATS Net at 11.00am. It was then that we realised that there was a problem with the vertical aerial. So that we could “auto-call” for the net, the TS-2000 with its digital recording board had replaced the FT-7800. However, the rig gave a clue that all was not well when it showed that it was shutting down the output power from the transmitter. An SWR bridge was put in line and it was discovered that the SWR was 4:1. As a quick solution, the 2 metre beam was plugged in and contact was made with Andy G8JAC, our sole club member for the net. Once the net was over, the mast was dropped to find out why the vertical SWR was so high (as it pre-tuned) and the evidence of why became clear. An installation error on my part whereby I had failed to allow enough of a coil for the rotator, the cable had been pulled out of the bottom of the 'N' Type connector at the base of the aerial. And, I then remembered that the rotator had been slow to rotate on the Saturday evening at one point, which would have been when the rotator was straining to turn as the cable got tighter and tighter. And this means that many of the contacts we had with the FT-7800 were essentially on just a piece of UR-67 coax! Just think how good it could have been with an aerial attached!!!!



One of the highlights of this year's event was the provision of the solar power supply from Adam's van. He was keen to monitor its performance and he reported that the battery charge never went below 99%. It was more than capable of providing sufficient power to run all the rigs and lighting for the stations, including Vince's van and the pop-up cinema in Adam's van. The only fuel burned was that of the camping gas stove and my BBQ. While the generators were on standby, they were never required. Although, if it had been cooler, the fan heater would have had to be powered by one of them as it would have put too much of a strain on the inverted battery supply.

The black box contained the batteries, the blue box is the inverter with the control box sited next to it.

Operation continued until around 2.30pm when we resigned ourselves to start taking down the station. And by 4.30pm we had the site cleared and we all headed off home.

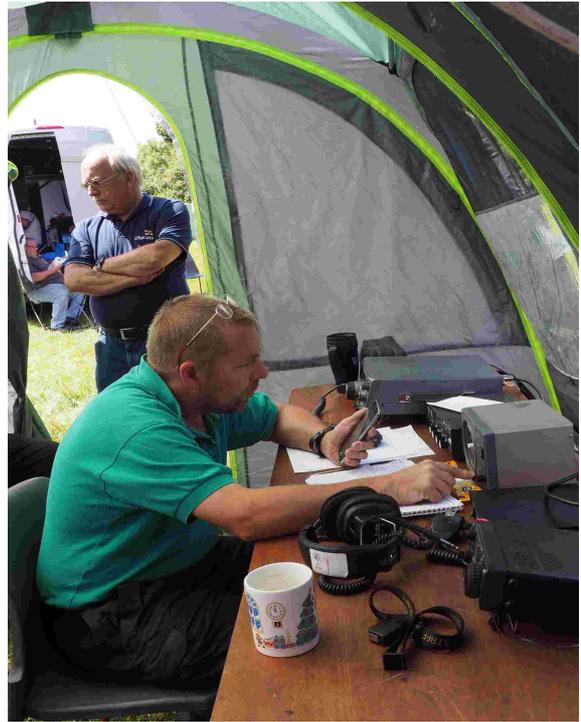
Was the weekend a success? I think these comments from our guests could be the judge of that...

Edd Christmas said, "It was a pleasure to meet up with you and a few of the other members on Sunday at your two day camp". And, following their visit, both Edd and John chose to join the club as members!

Ian Warnecke said, "Thank you for you and your club for making me feel welcome at your Play Radio Weekend. When Len West asked me if I would like to attend I did have second thoughts but after meeting you all and chatting certainly made my day".



Vince G1HRD working HF



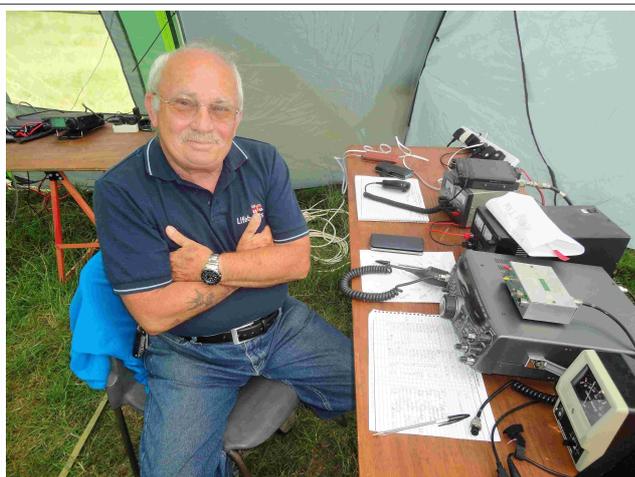
Denis M0NDJ



Kim G6JXA working 2 metres



Andy G0KZT working the stove



Ian 2E0DUE



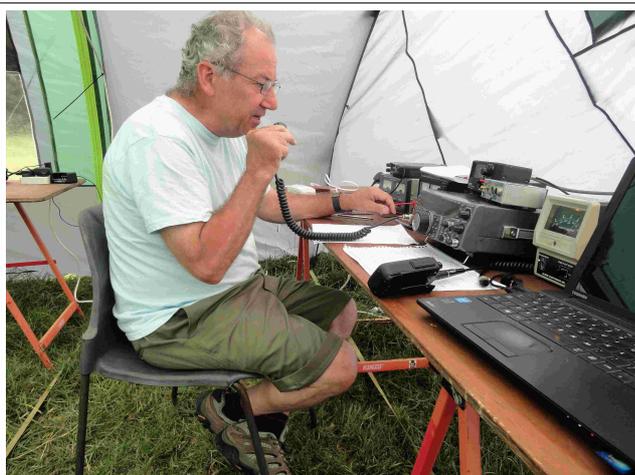
Ian, Len G0GNQ & Kim G6JXA chatting



Stuart G6CJR and others at the rear of Vince's van



A small piece of "luxury" in the corner of the field



Above all, this was a fun weekend with the added bonus of being able to play radio without the restrictions of home life. I hope we can repeat the event in 2017 and in early 2017 the Committee will poll members to seek their support and interest.

I would like to make a special thank you to Denis for providing the HF station and his mast. Also to Adam for providing the power supply and the space in his van for the bulky equipment. And of course to all those other members who supported the event, without whom the event would never have happened.

Photos by John G1RUV and Andy G0KZT



SHAK NOWITZ BY "MAD" FRANK - G3ZMF

Morse Code, The Forgotten Mode

Remember the rhyme?

IN DAYS OF OLD, WHEN HAMS WERE BOLD,
AND SIDEBAND NOT INVENTED,
WORDS WOULD PASS, BY POUNDING BRASS,
AND ALL WERE QUITE CONTENTED.

Way in the 1960's there were just two classes of UK Amateur licence, A & B. The A, of full licence, gave you all the bands, at full power, and the B gave you 144 MHz and higher, also with full power. Both classes required the WRITTEN City & Guilds of London Institute paper, with 2 questions in 1st part that you HAD to answer on regulations and propagation, then the 2nd part were on theory and circuits, where you had to choose 6 from 10 questions to answer. The B licence did NOT require the CW test. That's how I started, as I got stuck at 7 to 8 words per minute (WPM) on the Morse code (CW), as I'd been trying to learn from a 12 inch vinyl record. As instructed, I started at 33 1/3 RPM which was approximately 4 WPM. Then up the record speed to 45 RPM, now equivalent to 7 or 8 WPM. Finally, up to 78 RPM where upon I lost it at so called 14 WPM.

A good friend of mine, and a club member (The Old Purley Club) was Dave G3SYF, a marine radio op. At the time, I was an apprentice electrician, and one of the electricians I was working with, had just returned "o'shore" after 10 years at sea as the ship's electrician. This became my plan, after qualifying. Unfortunately (or FORTUNATELY) for me, I mentioned to G3SYF that I was "Going to sea". He assumed that I was going as a Marine Radio Op, so he taught me all about

the marine radio kit as he had a big collection of it, and he taught me CW at a “suitable speed”. Unknown to me at the time, he was taking me up to 22 WPM so as I would be OK at the 20 WPM marine exam.

The most important thing he impressed on me was “CW is JUST ANOTHER LANGUAGE”, as you learn little bits a at time, at the correct speed. After all, you wouldn't learn French by saying P A R L A Y V O O, would you? Hence I was taught, just as I teach now, the 1st 6 letters of the alphabet at 18 WPM but very WIDESPACED, so you have “THINKING TIME” between each letter. Gradually start to mix up these 6 letters, then reduce the spaces until all 6 roll off the key at a real 18 WPM. But, I don't tell my students that the time, just after it's all done, and they feel “cumfy” with it for the Amateur test at 12 WPM.

Why Should You Learn CW?

How else are you going to identify those weak, far off beacons that let you know how the propagation is fairing? And, what about the repeaters that identify in CW, then send you a single letter to let you know which CTCSS code to add to your transmitted signal so you can access the repeater.

Getting Started On The Bands

The first thing you may recognise is CQ, but then be ready for “DE” (Dah Dit Dit Dit) meaning “FROM”. In a way it is like remembering your favourite song, or part of it. Beethoven started it with his 5th symphony, Dit Dit Dit Dah, the letter “V” or roman numeral for “5”.

The most important tip I was given when studying for my RAE (Radio Amateur Exam) was from someone I met at the London Science Museum, Bill W6FD of Los Angeles, California. He told me, “NEVER SEND FASTER THAN YOU CAN COMFORTABLY RECEIVE, OTHERWISE THE CHAP AT THE OTHER END WILL PROBABLY MATCH YOUR FAST SENDING AND YOU WILL GET BEFUDDLED”. Thanks Bill, now SK.

Just in case you wondered how I got into this hobby, well you can blame Chris G8AMU of Reigate, first of all. He sat beside me on the Tech College Day release and had a circuit diagram. Over the month, he explained about his hobby to me, then gave me a callbook that only went up to the G3N** callsigns. So I sat down with pen and paper and started at G2AA and worked my way through it. Mind you, at that time it was only about 3/8ths inch (10mm) thick. After cycling round knocking on doors, I eventually found Roger G3MEH who was living up at Caterham On The Hill. He introduced me to the then Purley & District Radio Club where I met Ted G3GKF (SK) who's enthusiasm and knowledge got me through the RAE.

Now retired, I enjoy messing about with old PMR radios and only operate 70cms FM and 70cms & 23cms all modes in the contests from my ground floor flat, with small yargis indoors, “firing” through the curtains and uPVC double glazing, but still have fun especially on CW.

Have fun, and ex WD Morse keys are only a few £'s at the rallies. So come and join the fun, even slowly at first until you learn your “NEW CW LANGUAGE”.

Vy best 73/88's de Frank aka G3 Zany Mad Frank (ex G8CAX and many others)

CATS Outings and Rallys - Update

Lincoln Hamfest - 30th September - 1st October

Just a reminder that Mike Buckley M1CCF will be making the journey on the **Friday** to the Lincoln Hamfest and has spare seats in his car if anyone would like to join him. Contact him direct to express your interest.

Contests Corner

Here is a reminder of what contests are available in August & September.

RSGB Contests in August		
Saturday 6 th August	144 MHz Low Power	1400 – 2000 UTC
Saturday 6 th August	4 th 144 MHz Backpackers	1300 – 1700 UTC
Sunday 7 th August	432 MHz Low Power	0800 – 1200 UTC
Tuesday 9 th August	432 MHz UK Activity Contest	2000 - 22330 LOC
Wednesday 10 th August	80m CC CW	1900 – 2030 UTC
Sunday 14 th August	70 MHz Cumulative #5	1400 – 1600 UTC
Tuesday 16 th August	1.3 GHz UK Activity Contest	2000 – 2230 LOC
Sunday 17 th August	70 MHz Trophy	1000 – 1600 UTC
Tuesday 23 rd August	SHF UKAC	2000 – 2230 LOC
Tuesday 23 rd August	50 MHz UK Activity Contest	2000 – 2230 LOC
Thursday 25 th August	80m CC SSB	1900 – 2030 UTC
Tuesday 30 th August	70 MHz Activity Contest	2000 – 2230 UTC
September		
Saturday 3 rd – Sunday 4 th September	2 Metre Trophy	1400 – 1400 UTC 6 hour entry also available
Saturday 3 rd – Sunday 4 th September	SSB Field Day	1300 – 1300 UTC
Sunday 4 th September	144 MHz Backpackers	1100 – 1500 UTC
Tuesday 13 th September	432 MHz UK Activity Contest	2000 - 22330 LOC
Wednesday 14 th September	80m Club Sprint SSB	1900 – 2000 UTC
Tuesday 20 th September	1.3 GHz UK Activity Contest	2000 – 2230 LOC
Sunday 18 th September	2 nd 70 MHz Contest	0900 – 1200 UTC
Tuesday 27 th September	SHF UKAC	2000 – 2230 LOC
Tuesday 27 th September	50 MHz UK Activity Contest	2000 – 2230 LOC
Thursday 29 th September	80m CC CW	1900 – 2000 UTC

2 Metre Trophy Contest – Sunday 4th September

This event is STILL in the planning stage and before the newsletter was sent out, members were polled as to whether they would be going or not. As I go to print, there has been a small amount of interest. The result of the poll will be given to Martin G4GFI and a final decision will be made. For those members who have expressed an interest, you will be contacted with the final details.

I am now going on holiday for two weeks and I will not be in a position to do any admin during that time and notification will come some time after 24th August.

Rallies & Events

14 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. [www.frars.org.uk]

30 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]

2 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].

7th-9th 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].

6th 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 to info@radiofairs.co.uk. [www.radiofairs.co.uk].

20th November – CATS 39th Annual Radio & Electronics Bazaar

CATS Bazaar 2016

CATS 39th Radio & Electronics Bazaar

Sunday 20th 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 or the cafetierra. Contact enquiries@catsradio.org or visit www.catsradio.org for more info.

Other Club News & Contact Information

BROMLEY & DISTRICT ARS

Website: www.bdars.org.uk/

Email: info@bdars.co.uk

Club Net: Wednesdays 9:00pm - meet on 145.500 MHz FM and QSY

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

16th August - Aerials, Construction, Testing, and On-Air!

20th September - Digital Mobile Radio

18th October - Setting Up Your Station

15th November - "Toilet-roll TRF" (Construction)

20th December - Quiz and Mince Pies



CRYSTAL PALACE & DISTRICT RADIO SOCIETY

Website: 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

5th August - Summer Social

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

CRAWLEY ARC

Website: 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.

CRAY VALLEY RS

Website: www.cvr.rs.org

Contact: Richard Cains G7GLW rcains@btinternet.com

Club Net - 10m Sunday morning net @ 10:00 local: 28.570 MHz +- QRM

4m net – Fridays in weeks where there is no club meeting @ 20:30 local: 70.450MHz, then QSY to 70.425 or 70.475MHz

Meetings: 1st and 3rd Thursdays at

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

18th August - Bat walk! - see Dave G4BUO for details

8th September - '999 Emergency' – Steve G3ZPS

22nd September - Old fashioned 'Junk' Sale – Nigel G1BUO

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

23rd August – Social Evening

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

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

5th August - Noise Cancelling etc. by Graham Somerville BHI Ltd

30th September - Indian Hospital and the Chatri During 1st world War by Amanda Jane

4th November – Surplus Equipment Sale

SURREY RADIO CONTACT CLUB

Website: www.g3src.org.uk

Contact: John Kennedy G3MCX, 020 8688 3322 email secretary@g3src.org

Club Net: Sunday 09:30 on 1905 kHz , 70.300 MHz Thursday 8:00 pm, 145.35 MHz +/- 25kHz
Friday 8:00 pm

Meetings: 1st & 3rd Mondays at Trinity School, Shirley Park, Croydon CR9 7AT 19:30 for 19:45.

Monday 5th September - Test Equipment with Bob G3OOU

Monday 3rd October - Surplus Equipment sale

Monday 7th November - The GB3XP Repeater Project by Neil, M0ZEY

Monday 5th December - Club Construction Contest

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

Nets – Wednesday 20.00hrs 145.500 MHz , Saturday 10.00 7.125 MHz, Saturday 11.00 145.500
MHz

18th August – Kit & Balloon Supported Antennas by G4ROJ

15th September – AROS (Amateur Radio Observation Service) by Vince Shirley G0ORC

17th November – Millimetric Microwaves by Chris Whitmarsh G0FDZ

8th December – Christmas Junk Sale

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 RSGB Child Protection Policy