

COULSDON AMATEUR TRANSMITTING SOCIETY
G4FUR  **M1FUR**
CATS WHISPERS



August 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
James Flint G0SDB

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 20:00 to 22:00

Society Nets

1st Saturday of month - 17:15 - Crescenta Valley / CATS Net on Echolink/ GB3NS
Sunday evenings - 17:00 - Call on 3.700 MHz \pm QRM
Sunday evenings - 20:00 - Call on 145.400 MHz \pm QRM * For August 2013 only*
Wednesday evenings - 21:00 - Call on 70.425 MHz

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

Forthcoming Meetings

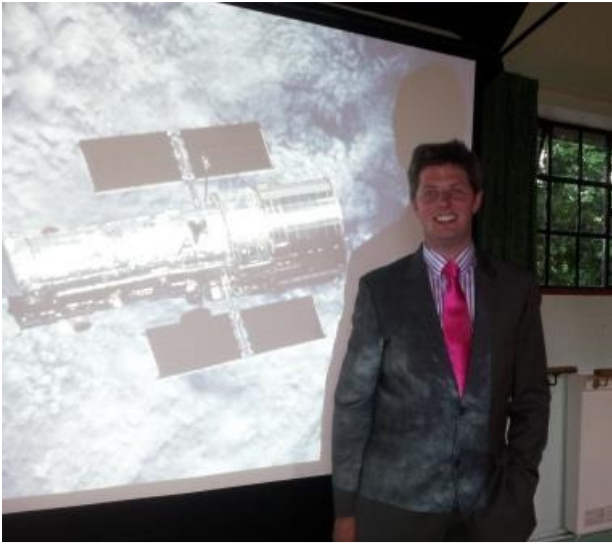
Monday Aug 12 Barbecue at G4RWW QTH
Monday Sep 9 "The G5RV and how it works" by Mike G0JMI of Alton Antennas
Monday Oct 14 Aerial Circus by G4CDY



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

CATS July Meeting

At the CATS July meeting, Neil Phillipson from Astronomia in Dorking gave a talk about the Hubble Space Telescope (HST) – entitled “The Wonders Of Hubble”.



Neil Phillipson

Neil began by explaining that the idea of a space telescope was first conceived by Lyman Spitzer in 1946 as, even before the advent of the space age, it was apparent that a telescope in space would have many advantages. Outside the atmosphere its resolution would be limited only by its optics and therefore about 20 times better than a terrestrial telescope, and it would also be able to observe at infra-red and ultra-violet wavelengths. In 1964 Spitzer was appointed to the first committee to look at the possibilities of a space telescope and in 1968 project plans were laid down for a launch of a telescope with a 3 metre mirror in 1979.

However, budget cuts led to the mirror being downsized to 2.4 metres with a launch in 1983 and overall cost of \$36 million. The aim was to produce a mirror polished to an accuracy of 10 nanometres. This task proved much more difficult than expected and, coupled to other problems with the optics, caused the projected cost to escalate to \$1.175 billion with a completion date of 1986. The loss of the Space Shuttle Challenger in January 1986 led to further delays, but the HST was eventually launched in April 1990 on Shuttle Discovery.

Neil explained about the HST's low earth orbit (300 miles high) and its repercussions on the maximum continuous photographic exposure time which in some directions is no more than 45 minutes. The HST incorporates two

hyperbolic mirrors, the benefit of this (compared with parabolic mirrors) being that no additional lenses are needed and the elimination of optical problems such as coma and spherical aberration. The mirror was intended to be ground to an accuracy of $\lambda/65$ (where λ is the wavelength of light) compared with $\lambda/4$ for a normal “basic” telescope. Regrettably it was not until the first blurred pictures from the HST began to be received back on earth that it was discovered that errors had been made with the original grinding of the mirror.

The remedy was to develop a device called COSTAR (Corrective Optics Space Telescope Axial Replacement) which was designed, built and eventually successfully installed on the HST by Space Shuttle astronauts in 1993.

Since then, photographs from the HST have amazed the scientific community and the general public alike. Neil showed Hubble images including the now-famous “Pillars Of Creation” photo of the Eagle Nebula, the Horsehead Nebula and NGC4603 - a spiral galaxy with numerous Cepheid variable stars. Analysis of the light from these objects led eventually to the latest determination of the age of the universe – 13.7 billion years.

Neil also showed us “Deep Sky” HST photographs, some of which revealed young galaxies at a distance of 13.4 billion light years. To produce these shots, around 800 separate exposures had been combined, representing a total exposure time in the region of one million seconds.

Other achievements of the HST included:

- determination of the rate of expansion of the universe
- refinement of data on the size of the universe
- proof that the rate of expansion of the universe is increasing
- discovery of proto-planetary discs in the constellation of Orion
- images of the bow shock wave of interstellar gas encountering stars
- images of Comet Shoemaker-Levy impacting Jupiter
- images of aurorae in the polar areas of Saturn
- images of interacting galaxies
- in the Helix nebula, images of a dead star after a supernova explosion

In May 2009, the crew of Space Shuttle STS125 gave the HST its fourth and final

service. It is hoped that the HST will continue to function into the year 2014, when it is expected that it will no longer be able to point at its targets due to progressive failure of the 6 on-board gyroscopes.

Neil's talk was delivered with great enthusiasm and demonstrated a thorough in-depth understanding of the topic. It made for a thoroughly enjoyable evening for the CATS members and visitors in attendance. Thank you Neil!

Although Neil gives these talks for free, at his request, CATS has made a donation of £30 to his nominated charity - The Brigitte Trust <http://www.brigitte-trust.org> This is an independent registered charity offering emotional support and practical help at home to people facing life-threatening illness. The Trust is based in Dorking and offers its free volunteer services across much of Surrey.

Neil founded his own company – Astronomia – that prides itself in having the widest range of the finest optical instruments in South East England. It has branches in Barnes and Dorking. For more information, visit:

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

CATS August Meeting

This will be the annual CATS barbecue at the QTH of Prue G4RWW in Croydon. CATS members have received separate emails about this event. The date for your diaries is Monday August 12th, starting at 7:30 pm.

CATS September Meeting

In September Mike G0JMI of Alton Antennas returns to CATS to give a talk entitled "The G5RV and how it works." The date for your diaries is Monday September 9th, starting at 8:00 pm.

CATS October Meeting

This will be the presentation that CATS member Terry Giles G4CDY produced, to coincide with the RSGB's centenary, to recreate the famous G6CJ Aerial Circus. The date for your diaries is Monday October 14th, starting at 8:00 pm.

TransPONDer Net – Saturday 6th July – Debrief

Andy G0KZT writes: "On 6th July we enjoyed an excellent TransPONDer net with our friends in The Crescenta Valley Radio Club, located in Glendale California. From the US side we had Mark W6MW, Larry AD6IZ, a new member Elliott K7ESG and Mark KE6ZRP. On the UK side we had Frank G3ZMF, Andy G8JAC, Paul M0JXN and myself - G0KZT.

"We tried something slightly different as alternative channels of access were tried. M0JXN was connected via his Smart-phone, I was connected via the 70cms port of G0WYG's gateway while the remainder of the CATS members were using GB3NS. W6MW had the local repeater connected via his station. I also connected to W6MW via Echolink using the computer to monitor the traffic and to allow typed lines of text to flow which assisted with keeping "The Batting Order" in check. It also allowed me to record the whole net as a .wav file.

"We learned that after 13 years of "Courting" his girlfriend, Mark KE6ZRP is getting married (but my notes don't tell me the date!) and Larry AD6IZ is looking forward to being a grandfather again. There was also some reminiscing about the CATS trip in 2006 when Andy G8JAC, Prue and I went over to help out in the CVRC's Field Day entry.

"While there are some niggling problems with the connection, on the whole it was a great net. I have spoken to Trevor G7ELZ who provides the Echolink side of GB3NS who reports that he is having difficulty with both his Broadband and an ageing computer. It is hoped that we can repeat the net again on the 1st Saturday of August at 17.15hrs local time in the UK*. If anyone would like to listen to the July Net, please drop me a line and I'll provide a copy, either by email (the file is about 13mb in size) or onto another agreeable format.

"73 de Andy G0KZT"

** Editor's Note: There was indeed a net on 1st August. A full report written by W6MW will appear in the September issue of this Newsletter. Please note that there will not be a TransPONDer net in September as it clashes with an ARRL Hamvention.*

Getting Nostalgic Over Tag Strips

It is exactly fifty years since, in 1963, your editor bought his first ever copy of Practical Wireless for just two shillings or ten pence in decimal currency.

Constructional articles in this edition of the magazine, which I avidly read and re-read until the covers fell off, included:

- The Photophone: a design for communicating by modulating a light beam using a thermionic valve;
- A ten watt transistorised PA amplifier;
- A valved AM transmitter for Top Band by F G Rayer G3OGR;
- A valved stereogram;
- A transistorised inverter for running a fluorescent tube from a car battery;
- A transistorised design for the "Malvern" tape recorder.

News items included:

- The laying of TAT3 - a transatlantic telephone cable with the (then) massive capacity of 128 telephone circuits;
- Tests by the BBC in VHF Band 2 of stereo broadcasting;
- Details of a radio astronomy project at Cambridge University, involving the construction of three 60 foot steerable dishes plus radio equipment for a total budget of £542,000.

But for me the advertisements were equally fascinating. Some were extremely detailed and were for electronic components by mail order, including long lists of both valves and transistors, the cheapest of which was five shillings or 25p – more than a week's pocket money for me in 1963. Also available was a host of government surplus equipment such as HRO receivers, complete with a set of nine coil packs, for around £20 plus carriage. Or a classic complete ex-army WS19 transmitter/receiver set with original PSU for £5. This set covered 2 to 8 MHz. Those were the days!

Also on offer was a great multitude of kits for building hi-fi, portable transistor radios and valved short wave receivers.

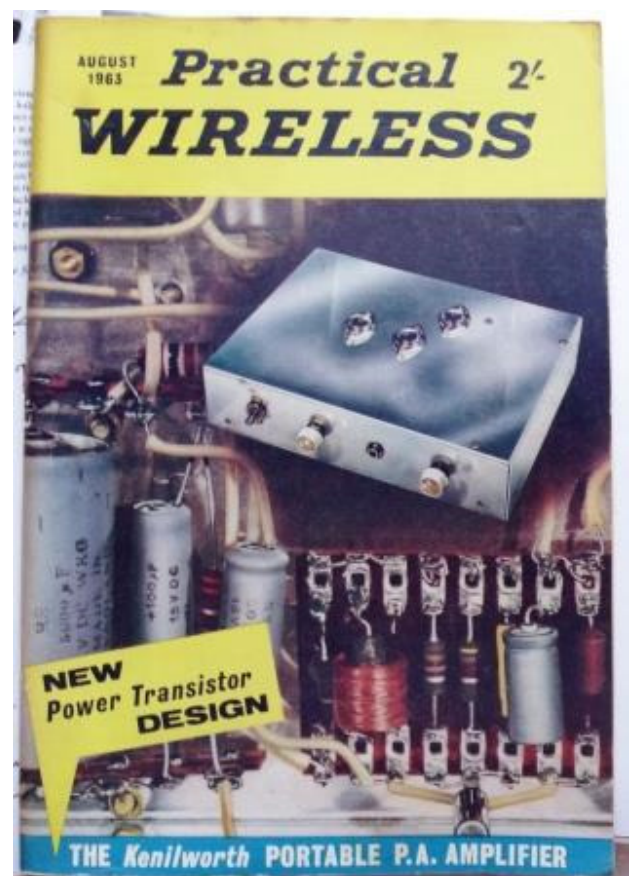
You could even have ordered a 14 inch monochrome 405 line TV for £5 plus 12/6 (62.5p) carriage.

With good photographs and diagrams, it was easy to see how all sorts of equipment could be constructed, and it soon dawned on me that making some of the simpler equipment ought to be within my grasp. If only I could save up enough pocket money to buy some parts!

My first proper project was a valved TRF receiver covering all bands up to 30 MHz. It was designed by G3OGR and published in PW in May 1964. I managed to scrounge most of the parts or recycle them from old mains wireesses. The soldering took me only a Saturday afternoon and although the set didn't work first time (I had left out a vital capacitor) by the Saturday evening it was in full working order.

In the following months, I managed to hear amateurs all over the world on it and I even tweaked it to receive BBC One TV sound on 41.5 MHz. (NB: BBC Two opened in April 1964 but UHF construction was beyond me in 1964 and, I regret to say, still is!)

In 1963, as now, "PW" is published early in the previous month, so the edition I am describing would have hit the newsstands in July 1963.



The first PW that G3WZK (then an SWL) bought.

5 MHz – Useful Link

Mike M1CCF had kindly forwarded to CATS Whispers the link to a chart that shows the very latest information of 5 MHz allocations worldwide – see below. You will of course need an NoV to use the band in the UK.

<http://tinyurl.com/get9r4j>

Have any CATS members tried 5 MHz? Please let us know via newsletter@catsradio.org if you have.

CATS Nets

The on-line questionnaire about CATS nets has now closed. It is hoped to publish the results in full in the September edition of *CATS Whispers*. As stated last month, the CATS committee have agreed, as a temporary measure for August 2013 only, to change the time of the Sunday 2m net from 11.00 am local time to 8.00 pm local time. The frequency will be 145.400 MHz ± QRM as normal.

UK Activity Contest – Latest Scores

Andy G0KZT writes: “We currently find ourselves overall in 38th place out of 102 club entries at this time of the competition. With regards to the respective bands, on 6 metres we are 35th out of 65, 2 metres 57th out of 89, 70cm 43rd out of 68 and 23cm 19th out of 36. On an individual basis, the table below shows those members contributing to our score. I scanned through the list so, if your call is missing, let me know. There are currently 485 individual scores in total.

Pos	Call	50 MHz	70 MHz	144 MHz	432 MHz	1296 MHz	Total
137	G0KZT	335		251	282		868
266	G4DFA					227	227
369	G3ZMF					75	75
380	G8AAI					61	61
418	G3WZK			32			32

“Why not come and join us on Tuesday nights for the remainder of the year?”

“73 de Andy G0KZT”

144 MHz Contest – 18th & 19th May 2013

The results for our efforts in this contest have been published – see page 8 of this issue of Cats Whispers for more information.

Contests Coming Soon

<u>Tuesday Activity Activity Contests 2013 – all begin at 8pm local time</u>	
Aug 6	2 metres
Aug 13	70 cm
Aug 20	23 cm
Aug 27	6 metres
Sep 3	2 metres
Sep 10	70 cm
Sep 17	23 cm
Sep 24	6 metres
Oct 1	2 metres
Oct 8	70 cm
Oct 15	23 cm
Oct 22	6 metres
Oct 29	4 metres
Nov 5	2 metres
Nov 12	70 cm
Nov 19	23 cm
Nov 26	6 metres
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

Other Contests

Aug 3: 144MHz Low Power Contest
 Aug 3: 4th 144MHz Backpackers
 Aug 4: RoPoCo CW
 Aug 4: 432MHz Low Power Contest
 Aug 11: 70MHz Cumulatives #5
 Aug 14: 80m Club Sprint CW
 Aug 29: 80m Club Sprint SSB
 Sep 7-8: SSB Field Day
 Sep 7-8: 144MHz Trophy Contest
 Sep 8: Second 70MHz Contest
 Sep 8: 5th 144MHz Backpackers
 Sep 11: 80m Club Sprint SSB
 Sep 26: 80m Club Sprint CW
 Oct 5: 1.2GHz Trophy / 2.3GHz Trophy
 Oct 5-6: 432MHz-248GHz IARU
 Oct 6: 21/28MHz Contest
 Oct 9: 80m Club Sprint CW

Oct 20: 50MHz AFS Contest
Oct 24: 80m Club Sprint SSB
Nov 2-3: 144MHz CW Marconi
Nov 9: Club Calls
Nov 13: 80m Club Sprint SSB
Nov 16-17: 2nd 1.8MHz Contest
Nov 28: 80m Club Sprint CW
Dec 1: 144MHz Affiliated Societies Contest
Dec 26-29: 50/70/144/432MHz Christmas
Cumulatives Contest

Local Rallies & Events

11 August 2013

Flight Refuelling Hamfest

Cobham Sports and Social Club Ground, Merley, Nr.
Wimborne, Dorset BH21 3AA

Open 10:00

Large marquees

Radio, computing, and electronics traders

Also art and craft stalls.

Car boot sale.

Ample free parking

Food and Drink, Licensed bar

Overnight On-site Camping

Talk-In on 145.550MHz FM

Entrance Fees Adults £3.50 Under 14's free

Contact: Mike Sykes 01202 883479,

hamfest@frars.org.uk

Further information: www.frars.org.uk

25 August 2013 NEW LOCATION

Milton Keynes 53rd Amateur Radio Society Rally

Longueville Hall, Hammond Park, Whaddon Road

Newton Longville, Milton Keynes MK17 0AT

Free on-site parking

Large indoor space

Dogs allowed

Inside catering

A bar

Car boot area

Large outdoor space

Toilets/shower area

Open 09:30

Entry £2.

Contact: Steve 07866 673192 or

www.mkars.org.uk

27-28 September 2013

National Hamfest

Open 10:00 to 16:00.

George Stephenson Pavilion, Newark & Nottingham
Showground, Lincoln Road, Winthorpe, Newark NG24
2NY.

Hosted by Lincoln Short Wave Club, sponsored by RSGB

Flea market

Traders

Bring and Buy

For the latest details and ticket information, visit:

www.nationalhamfest.org.uk

11-13 October RSGB 2013 Convention

Horwood House, Little Horwood, near Milton Keynes
Convention and lectures

www.rsgb.org

10 November 2013 NOTE NEW DATE

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

24 November 2013

CATS 36th Annual Radio and Electronics Bazaar

Provisional arrangements as follows:

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

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. (And by popular demand
the famous Canvey Radio Rally Bacon Rolls are back
on the Menu).

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

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-gth.org

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

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.

20 Aug - BBQ

17 Sep – Aerial Circus

15 Oct – Funcbe pro + SDR dongle

19 Nov - Build-a-thon

17 Dec - Mince Pie Night/Quiz

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

2 Aug – BBQ

6 Sep – Exploring The Solar System With Robots: Dr Chris Arridge

4 Oct - An Evening of Short Talks

1 Nov - Maxwell's Equations and their Practical Applications by Nick Stapley

6 Dec - Computer Construction by Alan O'Donovan G8NKM

CRAWLEY ARC

Website: www.carc.org.uk

Club Nets: Tuesdays 20:00 on 145.550 MHz and Fridays 19:00 on 1.970 MHz

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.org.uk

Contact: Lawrie Atkinson G4FAA. (see website)

Club Nets: Wednesdays 21:00 on 145.500/QSY and 22:00 on 3.720 ± QRM, and 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.

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.

27 Aug - Fish and Chip supper

24 Sep – Op Amps by G3NPC

22 Oct – Ham Radio Deluxe

26 Nov – AGM/How Valves Work by M0SXD

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

1 Aug - How Space Weather affects Radio Communications by Dr Colin Forsyth, MSSL

5 Sep – Hearing Aids by Eddie G8ECW

3 Oct - Junk Sale

7 Nov - (TBA)

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

21 Jun – Morse refresher by Mike G3VAK /Tabletop sale

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

5 Aug - Talk - Crystal Palace Lost Railway.

Barrie McKay, Crystal Palace Museum

2 Sep - Talk- Antenna Circus Terry Giles

7 Oct - Surplus equipment sale

4 Nov – Talk TBA

2 Dec - Talk TBA

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

15 Aug – Contesting Decomposed by Alun G4WGE

19 Sep – GB3NS Relocated by Denis Stanton G0OLX

17 Oct – Dud Charman G6CJ Antenna Farm Revisited by Terry Giles G4CDY

21 Nov – TBC

12 Dec – Christmas Junk Sale

WIMBLEDON & DISTRICT ARS

Website: www.gx3wim.org.uk (currently unavailable also checked 28.01.13))

Contact: Andrew Maish G4ADM

020 8335 3434

andrew.maish@ATntlworld.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

27 Sep: Susy Radio One Year On - John G8MNY

11 Oct: Talk by Jim G4WYJ

25 Oct: AGM

8 Nov: Morse Code On The Air

29 Nov: Surplus Equipment Sale

13 Dec: Christmas Social

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S J Beal G3WZK on behalf of the
Coulston Amateur Transmitting Society. © CATS 2013

144 MHz Contest – 18th & 19th May 2013

The results for our efforts in this contest have been published. We had to enter the open section as all the other sections were either single operator or for 6 hours only.

Pos	Group	Call	Loc	QSO	Score	Mults	Total	ODX	Kms
1	Blacksheep CG	M0BAA/P	JO01KJ	510	185615	112	20788880	DH2UAK	938
2	A1 CG	G4ZAP/P	JO02EB	420	141838	104	14751152	DG0VOG	910
3	Five Bells Group	G4SIV	IO92WS	319	96562	106	10235572	DG0VOG	951
4	Reigate ATS	G5LK/P	JO01QD	234	76084	74	5630216	DG0VOG	840
5	Moors CG	M0MCG/P	IO90LX	222	50881	91	4630171	DB8WK	676
6	Coulsdon ATS	G4FUR/P	IO91XG	126	20026	72	1441872	EI3KD	569
7	Barking R&ES	G3XBF/P	JO01CQ	45	7124	38	270712	HB9CLN	707

While on first look we don't seem to have done too well, we should bear in mind that all the stations above us were using 400 watts to large arrays of aerials. The winning team have their aerials at 20 metres high and have three separate arrays of which 2 are directed in set positions. Have a look at the YouTube videos posted by G4SHF (search for Blacksheep Contest). You'll see why they are so far in front!

There were some errors that reduced our score. I have shown them just to show how these errors creep in. The table shows what the error is, either a letter around the wrong way or some part of the exchange that is wrong.

144MHz May Contest Adjudication report for G4FUR/P : 144 18/05/13

Date	Time	Call	Correct Call	RST Tx	SN Tx	SN Rx	Correct SN Rx	Loc	Correct Loc	Exch	Correct Exch	Reason
19/05/13	07:36	G8LZE		56	84	3		IO91SO		HD	HA	Broken:Exchange
19/05/13	09:11	G2BOF		59	97	2		IO91VH	IO91VI	SM		Broken:Locator
19/05/13	10:03	FF6DFI	F6DFI	55	103	2		IN87WC				Broken:Callsign
19/05/13	11:43	G7NBE/P		55	115	17	7	IO92IR		LE		Broken:Serial RX
19/05/13	12:16	G8BVG/P	G8BGV/P	59	125	12		JO01HP		CM		Broken:Callsign
19/05/13	13:17	GW4RWR	GW4RWR/P	55	131	59		IO82HV		LL		Broken:Callsign

I have said it before and I'll say it again, our primary reason for taking part in these events is for the fun of it. We simply cannot compete with the "big guns" and we'd be fools to think we could! My full debrief of the event was published in the June edition of CATS Whispers.

73 de Andy G0KZT