

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



May 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 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 May 13	EGM/Social evening
Monday Jun 10	DF Hunt On Coulsdon Common
Monday Jul 8	Talk about the Hubble Space Telescope by Neil Phillipson of Astronomia in Dorking



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

CATS April Meeting



Malcolm G3NZN

At the April meeting Malcolm Harman G3NZN, assisted by fellow Crawley Club member David Davies (M0IDD), gave us a talk about repeaters, focussing mainly on the relatively new 2m box GB3MH and on GB7MH, the co-sited 70cms D-Star repeater.



The church where GB3MH and GB7MH are located

In essence, Malcolm's presentation was a detailed explanation about how GB3MH came to be and the hurdles they had to surmount to get to where they are today. There were licensing/frequency issues with Ofcom and because of the local GB3WS repeater which the keeper was initially proposing to relocate.

Another major hurdle was the church and the requirements imposed by their surveyors and solicitors which accounted for most of the cost. The repeater group was required to pay for what was effectively a replacement flag pole (now fibre glass and ingeniously housing the new dual band co-linear): the original wooden flagpole had been completely rotten.

They also appointed a company to install the mast and bracketry at very inflated prices on the church's bell tower.



The church tower, complete with flagpole housing antennas for GB3MH and GB7MH

The repeater group also had to deal with EMC issues, RF radiation worries, and give assurances that the repeaters would not retransmit offensive material. They provided internet connectivity using various wired and wireless links so as not to cause the parishioners any worries about unsightly cabling.

All of the equipment for the repeaters had to be manually handled up narrow staircases, with the antenna installation even higher up a near vertical wooden ladder above the church bells in a small parapet, no mean feat.

The site is however is one of the highest in East Sussex and provides a very good coverage (5-9 at the G4FVL QTH in Coulsdon).



David M0IDD demonstrates D-Star

After Malcolm's lecture and tea, David M0IDD demonstrated and discussed some of the access facilities, including Echolink and D-Star, directly from the hall using a temporary antenna, kindly set up by Andy G0KZT. To be honest, this was a bit brief and assumed that

the audience had some working knowledge of D-STAR.

Other repeater facilities include echo link, Internet Repeater Link Project (IRLP), D-Star and the ability to test one's own access by repeating a test transmission.

(Editor's note: for more information on IRLP see the article by Andy G0KZT on page 7 of this issue of CW.)



The temporary antenna and mast kindly provided by G0KZT at the CATS meeting hall for the evening's lecture

A very pleasant evening was had by all 11 CATS attendees, listening to Malcolm G3NZP telling us the history and installation of GB3MH & GB7MH.

Other GB3MH/GB7MH information **Guide to use**

1) When linked, Keep Overs Short! You could be linked to up to 100 repeaters world-wide. Work on 30 people listening per repeater. That's 3000 people that will not be able to access their local repeater even to unlink it whilst you are talking.

2) Before Linking, identify yourself by callsign and ASK if anyone objects to the repeater being linked to <tell them where you are

linking>. Listen for 30 seconds, then if clear, key up, identify yourself and carry out the link.

3) Before Unlinking, identify yourself by callsign, mention that you are going to unlink, and then LISTEN for 30 seconds. If there are no objections, key up, identify yourself by callsign and unlink.

4) Leave pauses between overs. ALWAYS wait for the courtesy tone. If you don't hear the tone, wait for the repeater carrier to drop before carrying on.

5) Unless you are in a UK exclusive net (e.g. one of the reflectors dedicated to the UK repeaters), you should treat this as you would a contact on HF.

6) One thing that really annoys people on IRLP is signal reports ("You're 59+20 !") Nope, your local repeater is 59+20. Giving an audio quality report (fully readable, noisy, etc) is fine and appropriate.

BASIC NODE LIST

- *9999 EchoTest - Test your own audio
- *2605 - IRELAND CONFERENCE
- *1938 GB3BN - Bracknell
- *383403 GB3NS - Banstead

IRLP:

- 9750 - UK Reflector
- 9900 - Echo Reflector
- 5429 - GB3ZB - Dundry Hill, Bristol
- 5450 - GB3PZ - Manchester
- 5280 - GB3CA - Carlisle
- 5140 - GB3LF - Kendal
- 5046 - GBBEE - Chesterfield
- 5582 - GB3TR - Torbay
- 5600 - GB3LV - London
- 5302 - GB3OA - Southport
- 5113 - GB3WJ - Scunthorpe
- 5708 - GB3XN - Langold
- 5566 - GB3IP - Stafford
- 5130 - GB3DV - Maltby
- 5689 - MB7IDD - Reigate

<http://ashdownforestrg.org/GB7MH.html>

CATS May Meeting

The CATS May meeting will be the rescheduled combined EGM and social event that we had to postpone in February. Full details have been sent to all members.

The date for your diaries is May 13th.

CATS June Meeting – DF Hunt

Denis M0NDJ has kindly agreed to organise this event again, which will once more take place in the vicinity of Coulsdon Common. It will start at 7:30 pm on Monday 10th June and the CATS DF trophy will again be awarded to the fastest finishers.

Members not so keen on participating in the DF hunt itself may wish to note that it has become common practice in recent years for non-enthusiasts to spend the whole evening in The Fox public house. So even if DF is not your cup-of-tea, please do come along for a drink, a tasty meal or simply to chat with fellow members.

The date for your diaries is June 10th.

CATS July Meeting – Talk

At the CATS July meeting, Neil Phillipson from Astronomia in Dorking will give a talk about the Hubble Space Telescope – entitled “The \$3bn Telescope”.

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

The date for your diaries is July 8th.

Long Weekend in OK-Land

You editor recently spent a most enjoyable long weekend in Prague with XYL Jenny. The weather in early April was cold – but no worse than we had been having in the UK – and it didn't rain or snow at all.

This was the first time I had been there since 1999 when I was still working for BT on International Business Development. I was the Project Manager on the team bidding for the country's third GSM mobile licence. In those days, company policy was that you had to log back in to base every week to check that the anti-virus software on your laptop was up-to-date. This meant dial up access over GSM – and at 9600 bit/s the procedure took about 90 minutes. I have no idea what the cost of such a call would have been, but it wouldn't have been cheap.

Technologically, things have now of course moved on considerably. Free WiFi was available at many locations including our hotel,

so sending and receiving emails was a doddle. I could use Echolink to access GB3NS from my smartphone and get the BBC Weather forecast for Prague at the touch of a button.

In 1999, CSA (Czech State Airlines) would play Smetana's “Vltava” over the PA system after landing – a nice touch as Smetana was Czech and the Vltava flows through the centre of Prague. In 2013 however, the first music we heard was a programme about the Beatles on the taxi's radio as we left the airport.

However most of the atmosphere of the town centre is unchanged: the cobbled streets, Wenceslas Square, frequent trams, concerts, beautiful architecture, friendly locals, coffee shops, etc. And while prices in general have gone up a lot, beer is still much cheaper than back home and cheaper even than fizzy soft drinks.

As well as stunning architecture, the arts are well represented with street sculpture (such as a cubist lamppost), the Mucha Museum and much more.

A selection of photos follows:



The art deco shopping mall in Prague



The “Tesla” stained glass window



Telegraph office desk – Prague National Museum



Morse key and printing Morse receiver– Prague National Museum

GB3NS News by Andy G0KZT

The return of the GB3NS repeater to the 70cms band some years ago after a considerable absence was very welcome and Denis Stanton G0OLX, who is the repeater keeper, has done a fantastic job in maintaining the repeater's continued presence. On its return, the repeater was located just south of Banstead Cross near to the site of the old Wheatsheaf public house. But following the passing of Denis's mother in whose house the repeater was installed, the repeater became somewhat "nomadic", being briefly located at the Asda supermarket in Burgh Heath before moving to another temporary location in Tadworth.

The latest news is that a new site has been found near to Pilgrims Lane in Chaldon. This is a commercial site where I understand other PMR equipment is co-sited. The NoV has been applied for and clearance is awaited.

Meanwhile test transmissions can be heard on 439.675 MHz with an 82.5Hz CTCSS tone and the repeater offset is minus 9000 KHz. GB3NS continues as normal on 430.925 MHz with the offset of plus 7600 KHz and 82.5Hz CTCSS tone.

Other Repeater News by Andy G0KZT

GB3LW in central London is currently off the air with a blown PA. I have had a look at the website at <http://www.g4rfc.co.uk/> but the page is out-of-date with no information about the current status of the repeater.

GB7MH (D-STAR) is currently running as an RF only repeater with the reflector operation not available. It is reported that the cause was either some software corruption or abuse and is under investigation.

An up-to-date status of all the UK repeaters is available at <http://www.ukrepeater.net/> and is a Committee group of the RSGB. Dave Dawson G7UZN, who can often be heard on GB3NS, is the ETCC Member for the South East of England.



Repeaters covered by G7UZN

Kempton Rally - CATS Bring and Buy Stall

Once again CATS provided a bring and buy facility at the Kempton rally on Sunday 21st April. Our stall was moved to a new location in the hall which, in times gone past, was used as the lecture area. Our space was adequate if a little out of view, but the lighting was poor and a few customers complained about not being able to see the items on display due to the

lighting. Perhaps next time we will consider provision of additional lighting. Sales were generally poor this time, and I don't think it was due to our new position or the weather, which was perfect. In general, our overall sales were down at least 50 per cent - but we still managed to make a small profit towards club funds.

For the record, we had 18 customers selling a total of 48 items, of which 29 items were unsold and returned to the vendor. The customer coming the furthest was from Oxford.

I would like to thank club members Andy Jackson, Frank Emery, Mike Bues, Graham Parsons, Ian Peck and Steve Beal for all their help. As always a great team effort. It was good fun and made easier by all your help. A selection of photos follows this article.

Thanks again to you all.

James Flint G0SDB (Bring and Buy Manager)



A customer considers a possible purchase



General view of the 2013 Kempton Park rally



CATS member Andy G8JAC books items from Vince G1HRD into the Bring-And-Buy



CATS member Frank G3ZMF explains the inner workings of a KW2000 transceiver to a potential customer



The CATS Bring-And-Buy stand ready for opening

Transponder Net:

There was no transponder net with Crescenta Valley in May, but it is hoped to hold one on June 1st. Various options for the UK side of the pond are being considered and by June Mark W6MW will have returned from Hawaii to set up the US side.

QR CODE

The more sharp-eyed of you might have noticed a strange-looking blob that has appeared on the front page of Cats Whispers for the past three months. It is called a "QR" code – for "Quick Response" and provides a quick and easy way to access the CATS website from a smartphone. All you need to do is to download an app such as QR Droid and then point the camera of your phone towards the code. The phone should then connect via the internet to the CATS website.

Generating the QR code was easy. I searched on line and found a website that generates the code for no charge for download to your PC. It is then easy to incorporate the QR code in any document you choose. For more information visit:

<http://www.qrstuff.com/>

Our First 2013 Contesting Weekend Approaches

144 MHz May Contest

Date: 18th - 19th May

Time: Saturday 12:00 until Sunday 16:00

Paddock Wood Farm, Caterham

For our first field event, planning is well underway. Most importantly, the site has been reserved and it is confirmed that we will be returning to Paddock Wood Farm. Just as a reminder, the site is located between Caterham and Godstone and is accessed from the east side of the A22 Caterham Bypass.

We would like members to come and join in with some casual contest operating (individuals must be RSGB members to do so), but if that's not your thing, we would welcome assistance in setting up and taking the station down at the end. The site affords us with the "luxury" of a toilet block with hot water, so if you want to just turn up and camp out, then you'll be most welcome.

Just as a footnote, it will be self-messing and while we would ideally like to provide cooking facilities, at this time, cannot be guaranteed.

On the day, I will be contactable on my mobile (see below) and will also be monitoring 145.400 MHz.

Radio Play Weekend

Date: 14th – 16th June

Time: Friday 12:00 until Sunday 15:00

Paddock Wood Farm, Caterham

To take the fullest advantage of the opportunities this site offers, it is proposed that set-up for this event will now begin at 09:00 am on 14th June for set up. More information on this event will be published in due course.

For more information (including access code to the site), offers of assistance and equipment, please get in touch via my mobile (07729 866600) or email contesting@catsradio.org

73 de Andy G0KZT

What Is IRLP?

By Andy Briers G0KZT

After the informative talk that we had on the GB3MH/GB7MH repeaters at our last meeting, it got me thinking about IRLP and activity in our area. It is a mode of our hobby that I used some years ago but in recent times fell to the wayside.

The Internet Radio Linking Project, also called IRLP, is a project that links amateur radio stations around the world by using Voice over IP (VoIP). Each gateway consists of a dedicated computer running custom software that is connected to both a radio and the Internet. This arrangement forms what is known as an IRLP Node. Since all end users communicate using a radio as opposed to using a computer directly, IRLP has adopted the motto "Keeping the Radio in Amateur Radio".

Amateur radio operators within radio range of a local node are able to use DTMF tone generators to initiate a node-to-node connection with any other available node in the world. Each node has a unique 4 digit node number in the range of 1000-8999. A real-time searchable list of all nodes worldwide (including their current status) is available anytime by viewing the IRLP Network at a Glance.

IRLP connections are of two types: node to node, and node to reflector. Stations wishing to communicate with 3 or more nodes at the same time may accomplish this by connecting

to what is called an IRLP Reflector. Reflectors are a type conferencing system. Most reflectors on the network have 10 channels (0-9) with channel 0 being the main channel. Each reflector has a unique 4 digit node number in the range of 9000-9999. The first 3 digits consist of the reflector number, while the fourth digit represents the channel number. Echo Reflector 9990, which digitally records and plays back transmissions, is for testing purposes. Since most reflectors have 10 channels, there are approximately 200 unique reflector channels available for use.

With respect to GB3MH, IRLP operation is very simple. You will need either a microphone with a built in DTMF tone pad or else use another device such as the tones generated by a mobile telephone keypad. Announce who you are and while in TX mode dial the number of the IRLP node or reflector you are interested in. A verbal acknowledgment is then heard. You are now connected and you transmit normally. Once you have completed your contact, dial 73 and a verbal acknowledgment confirms that the link is closed. You will need to have either the list of available nodes (<http://irlp.net/>) or know it in advance.

My initial tests failed to find any station to speak to and that was around 1300hrs UTC on a Saturday afternoon. Anyway, something to try if you have some spare time.

73 de Andy G0KZT

Contests Coming Soon

<u>Tuesday Activity Contests</u>	
2013	
May 14	70 cm
May 21	23 cm
May 28	6 metres
Jun 4	2 metres
Jun 11	70 cm
Jun 18	23 cm
Jun 25	6 metres
Jul 2	2 metres
Jul 9	70 cm
Jul 16	23 cm
Jul 23	6 metres
Jul 30	4 metres
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

Other Contests

May 12: 70MHz Contest CW
 May 15: 80m CC DATA
 May 18-19: 144MHz May Contest
 May 19: 1st 144MHz Backpackers
 May 23: 80m CC CW
 May 26: 70MHz Cumulatives #3
 Jun 1-2: NFD
 Jun 3: 80m CC DATA
 Jun 9: 2nd 144MHz Backpackers
 Jun 12: 80m CC CW
 Jun 15-16: 50MHz Trophy Contest
 Jun 20: 80m CC SSB
 Jun 23: 50MHz Contest CW
 Jun 23: 70MHz Cumulatives #4
 Jul 1: 80m CC CW
 Jul 6-7: VHF NFD
 Jul 7: 3rd 144MHz Backpackers
 Jul 10: 80m CC SSB
 Jul 18: 80m CC DATA
 Jul 21: Low Power Contest
 Jul 21: 70MHz Trophy Contest
 Jul 27-28: IOTA Contest
 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

Useful Links

CATS member Mike M1CCF has kindly provide this useful link. It provides on-line calculation of the inductance of a coil given its physical dimensions:

<http://www.qsl.net/in3otd/indcalc.html>

Local Rallies & Events

19 May 2013

28th Dunstable Downs RC National Amateur Radio Car Boot Sale

Stockwood Park, Luton, M1 J10
Open 09:00. Talk in on S22
www.ddrcbootsale.org

16 June 2013

26th 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/

28-30 June 2013

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

23 June 2013 East Suffolk Wireless Revival

The Ipswich Radio Rally
Orwell Crossing Lorry Park
A14 Eastbound, Nacton
Ipswich, Suffolk IP10 0DD
Open 09:30
Car Boot Sale, Bring & Buy Sale, Special Interest Radio Groups, Local Radio Clubs, RSGB Bookstall, UK Microwave Group, Vintage & Military ARS
Live Radio Demonstrations, Excellent Food and Facilities, Easy Parking, GB4SWR - HF Radio Station GB4SWR - Talk-in on 145.550MHz
Contact Steve, M1ACB 07711-329624
www.eswr.org.uk

7 July 2013

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

14 July 2013

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.
Large Boot Sale on Level Site
Big Boot Sale Pitches
Special Interest Groups - Special Interests McMichael Radio Owners
Computer Equipment
Demonstrations & Lecture

Catering Services

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

19-21 July

Amsat Colloquium

Holiday Inn Guildford GU2 7XZ

Networking

Speakers

Gala dinner

www.amsat-uk.org/colloquium/colloquium-2013/

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/rsgbconvention

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.

21 May - Operating Night

18 Jun - G100RSGB on the air from midday

16 Jul - DF Hunt

20 Aug - BBQ

17 Sep - Surplus Equipment Sale

CPREC (CRYSTAL PALACE)

Website: www.qsl.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

3 May – Workshop Practice – drilling and turning

7 Jun - bhi DSP Noise Cancellation by Graham Somerville M3ZGS of bhi Ltd

5 Jul – TBA

2 Aug – BBQ

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

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.cvrs.org

Contact: Malcolm Bryan G8MCA (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.

28 May – Ham Radio Deluxe by M5LRO

25 Jun – Talk by RSGB General Manager

23 Jul - Operating On Devil's Dyke

Aug - Fish and Chip supper

24 Sep – Op Amps by G3NPC

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

2 May - Raspberry Pi Cookbook - G3ZBU

6 Jun - RF Leakage from Cable Networks by G4LRP

4 Jul - BBC OB by Tony Crane (TBC)

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

5 Sep - G3LET (TBC)

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

3 May – G100RSGB from club shack

24 May – Construction contest

31 May – Where has all the spectrum gone? By John G8JBJ.

21 Jun – Morse refresher by Mike G3VAK /Tabletop sale

REIGATE ATS

Website: www.qsl.net/rats

Email: rats@qsl.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

13 May – Talk on early domestic wireless in the UK/The rise and fall of Burndept - David Shaw G4NOW

3 Jun – Construction Contest

1 Jul – BBQ

5 Aug - Talk TBA

2 Sep - 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

16 May – AGM

20 Jun – Practical Antenna Design by Mike G0JMI of Alton Antenna Arrays

18 Jul – First Aid for the Radio Amateur by Ivor G6PUC

WIMBLEDON & DISTRICT ARS

Website: www.gx3wim.org.uk (currently unavailable)

Contact: Andrew Maish G4ADM

020 8335 3434

andrew.maish@Tntlworld.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

10 May: Rig check evening – Denis G0OLX

31 May: Antenna forum – Eric G0KRT

26 Jul: Summer camp begins

27 Sep: Susy Radio One Year On - John G8MNY

11 Oct: Talk by Jim G4WYJ

CATS Whispers is published monthly by
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