

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



January 2012

Affiliated to the RSGB

CATS Committee

Chairman: Glenn Rankin, G4FVL
Secretary: Steve Beal, G3WZK
Treasurer: Steve Conway, G7SYO
Members: Stuart Barber, G6CJR
Frank Emery, G3ZMF
Dennis Noe, M0NDJ
James Flint, G0SDB

CATS Whispers Editor:

Steve Beal, G3WZK

email address for contributions: newsletter@catsradio.org

** new number for G7SYO*

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 Jan 9th CATS Annual Dinner
Monday Feb 13th Contest Logging – G0KZT
Monday Mar 12th WSPR – G3JKV



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

CATS December Meeting

The December meeting, as usual, was devoted to the Annual General Meeting. A total of nineteen members turned out on a very blustery evening.

CATS Chairman Glenn G4FVL opened the meeting and gave his view of the Society's past year, including membership and past/proposed activities.

CATS Secretary Steve G3WZK then delivered his report on the Society's year 2011, detailing membership figures, attendances at meetings and events, society activities, contest activities, and the work of the committee in managing the society's affairs. He also reported on the very recent success of CATS member Martin Rothwell – previously 2E0MHS – who has now gained a full licence and the callsign M0SGL.

The current membership is 45 compared with 38 at the end of 2010 and 36 at the end of 2009.

The Treasurer then presented the Society's audited accounts for the year ended 31 October 2011, which showed a healthy surplus.

In the Committee elections, all of the previous incumbents were re-elected to the same roles as before. (Details as on page one of this issue of *CATS Whispers*.)

There was then a break for refreshments – including mince pies and wine - followed by announcement of the Chairman for 2012 (Glenn G4FVL) and Any Other Business.

A full, detailed, set of minutes has been sent to CATS members.

Membership Matters:

During the AGM (see above) it was announced that subscriptions for 2012 would remain at £12. Payment is now due, please.

Christmas Top Band Net

This year's Christmas Top Band AM net attracted a total of ten participants including Adam G7CRQ, Andy G8JAC, Colin G3YCR, Glenn G4FVL, John G3UGY, Martin G4FKK,

Pat G4FDN, Paul M0JXN, Steve G3WZK and Tom G4DFA.

At a time when all members inevitably have other pressing commitments, it was good to see so many people making an effort to set up their often vintage equipment and then to appear on the air at the allotted time. At least two members erected antennas especially for this event.

CATS 2012 Annual Dinner

The Fox Public House on Coulsdon Common, is again the venue for the CATS Annual Dinner. The date for your diaries is 9th January 2012, 7:30 for 8:00 pm.

There are currently 27 members booked to attend this event. Any last minute additions to G3WZK, please.

Click on the link below for other information about The Fox.

www.vintageinn.co.uk/thefoxcoulsdoncommon/

This is a direct link to the menu:

www.vintageinn.co.uk/thefoxcoulsdoncommon/pdf/thefoxcoulsdoncommon-food_menu.pdf

Emails have been sent to all members about the event, which will be part-funded from the Society's funds.

CATS February Meeting

Please note that this meeting (on February 13th 2012) will now feature a talk by Andy G0KZT on Minos Contest Logging Software. The Society has decided to use this software instead of SDV for future contest participation.

CATS March Meeting

This will be on March 12th and will be a talk by Walter Blanchard G3JKV on WSPR.

CATS April Meeting

Advance Notice: Please note that there will be no formal meeting in April as this year the date co-incides with Easter Monday.

CATS Contesting

The CATS Committee have decided to participate in next year's "Brass Monkeys Contest" (144/ 432 MHz) on 3rd/4th March 2012. Offers of help to G3ZMF, please.

G3WZK Computer Saga - Part One

Towards the end of November, my desktop PC was struck by something really nasty. I've still no idea where it came from but the trouble it caused was immediately obvious and considerable.

The machine was fine before supper but when I came back after the evening meal there were countless unclearable error messages on the screen, together with a window inviting me to "click here to fix your computer's problems." This was of course suspicious – it was impossible to get rid of this screen and after a forced reboot (depressing the power on/off button or five seconds to reset the power supply) it was clear that the machine was well and truly broken.

I decided to change the boot sequence from BIOS to see if the PC would boot from my Windows XP DVD. However the machine completely refused to read the DVD and kept trying to boot from hard disc. To me, this suggested that there must be some sort of fault with the motherboard so my next priority was to try and save my data. I removed the hard discs and using an EIDE to USB adaptor plugged them into my laptop.

Both discs seemed to contain the right amount of data but curiously, many folders had disappeared together with the files they were meant to contain. Disaster!

Worryingly, the following weekend I was due to instruct on a Foundation Course at Banstead - but all my recent work to update my slides had apparently disappeared! Fiddling around, I found that my PowerPoint files were now "hidden," but it was impossible to "unhide" them in the normal manner. Fortunately, on Microsoft's website, I soon found instructions for taking ownership of files and folders on a different machine, so I quickly changed the settings and copied my Foundation files to a memory stick ready for the weekend. Phew! I would be okay on the course and I vowed that

the following week I would start designing a new PC and ordering the parts for it. At this stage it is worth pointing out that my "failed" PC was a homebrew machine that first booted up in 2001, so it had given me just over ten years of good service. It had had a few updates along the way, but I had been expecting a failure soon and was planning to build a new one over Christmas 2011. Sadly it had failed a month or so too soon.

In Banstead on the Saturday morning Martin M1MRB had given the opening sessions and it was my turn to talk about EMC. I plugged my memory stick into Martin's laptop and browsed for my slides. They weren't there! The previous version was however still there so I could cope – but you can imagine what an idiot I felt for having copied the wrong version onto the memory stick. Doh !!!

Over a coffee break I explained my predicament to some of the students, one of whom was an IT manager and who suggested that a boot sector virus could be the cause of the problem with my PC. I however was convinced that I had a hardware fault – after all if you set the BIOS to boot up from CD/DVD and the machine doesn't, then surely either the CD/DVD drive (or IDE cable) or other hardware must be faulty.

Back home after the course, I put my memory stick into my own laptop. My missing presentation slides *were* there after all – but greyed out. They were shown as "hidden" on Windows Explorer. What could be going on? They were visible on my laptop but not elsewhere. Very odd!

I then scanned the original hard discs, using the McAfee antivirus software on my laptop and the EIDE to USB adaptor mentioned above. It revealed and deleted several copies of a virus called XCPT-HOOK1. Great, I thought, quickly reinstalling the hard discs back in the original PC case.

With some trepidation I switched on and waited for the machine to reboot. Eventually a very sickly desktop appeared. Most files and folders had disappeared. As Windows XP creates restore points I started to look for Control Panel so that I could restore the machine to a previous good restore point, but Control Panel had disappeared. What could I do next?

Remembering the advice from the weekend I did some research on the Internet and discovered that McAfee have a free

downloadable tool called “Stinger”. According to the website, “Stinger is a standalone utility used to assist administrators and users when dealing with an infected system.”

I downloaded Stinger and ran it. It found and removed various nasties such as HRiPwnH2bLXWge.exe, Fake Alert-QU and NgTuiSACmhn.exe. My PC was improved, but still sickly. Worst of all, XCPT-HOOK1 was still there! I unhid a few files and rebooted, only to find that those same files were now hidden all over again! I concluded that the PC must be re-infecting itself every time it was rebooted. Further internet research suggested that the cause of the problem could be a Trojan called TDSS.e!rootkit. It also revealed that Kaspersky have a free downloadable tool called an “Anti-rootkit utility TDSSKiller” specifically aimed at boot sector viruses. With nothing to lose, I downloaded this tool as well and ran it.

To say I was amazed about what happened next is the understatement of the year! It took less than a minute for the Kaspersky tool to identify the presence of a boot sector virus and offer to rewrite some virus-free standard code in its place. After clicking “yes” the machine rebooted. It was still very sickly, but it was stable. When I unhid a few files as an experiment, the files remained “unhidden” after rebooting. But nearly everything was missing, including Control Panel. A virus free machine – but still a very sick one.

My next task was to try to find a restore point. I managed to “unhide” the file control.exe on which Control Panel depends. A very rudimentary Control Panel appeared but most functions within it, including System Restore, weren’t available.

It seemed that I would have to use the Windows repair function from the original DVD – but then a thought struck me. What if other machines in the house had been infected by the virus? So before doing anything else, I scanned every disc on every machine in the house with every ant-virus tool at my disposal. Fortunately, they were all clear.

Then it was time to attempt the Windows repair function. Well, to cut a long story short, it simply didn’t work. The vast majority of files, folders and Windows functions, including the Control Panel ones, remained invisible. So much for a “repair”. Realising that a full Windows re-install would erase all my data, the next step was to remove the hard discs again

and copy onto an external 1TB drive all my data, including, Word, Excel and PowerPoint files, my mail folders and address books and anything else I could find. Not easy when most items were still hidden! The 1TB drive, by the way, is the device I normally used for my data back-ups.

Several hours later, the copying of data was complete. It would then have been safe to re-install Windows XP from scratch, even though this would have completely wiped the hard discs. However, I decided to leave the machine overnight in case I had any last-minute brainwaves about other items of data that needed to be saved too.

The following morning, I began the rebuild process from my original Windows XP disc. All went well and it booted properly first time and was virus-free. What should I install first – anti-virus software perhaps? I logged on to McAfee and attempted to download my software again. “Sorry,” it said, “your web browser is Internet Explorer 6 and lacks the ability to download McAfee Security Suite.”

“A-ha,” I thought, “I’ll install a different browser and teach Microsoft a lesson.” As I had been using Google Chrome on my laptop for some time, I decided to try that. Unfortunately, the Chrome site said my operating system was too old to run Chrome, instead I needed Windows XP Service pack 3. It suggested that typing “winver” at the Run prompt would tell me which version of XP I had. The answer – Service Pack 1 - meant that I would need to install Service Pack 1a from the Microsoft site first, after which I could then download the subsequent upgrade to Service Pack 3. This was getting complicated but do-able. However the Microsoft Service Pack 1a server was persistently down, and remained down despite repeated attempts to access it, for over a day, so I was stuck yet again.

Then I discovered that the cover of my original XP disc bore a sticky label saying “contains SP1a,” so maybe an upgrade straight to SP3 would be possible, after all.

To cut a long story short, the SP3 install worked first time and I had a fully functioning system, albeit with no data and no user software. However, Chrome now installed first time, followed by the McAfee security system. What a palaver!

Then my XYL dropped a bombshell. She said that she needed her website

www.jennybeal.co.uk updated by the following Monday. The race was on to reinstall Microsoft Front Page, (Website editing software) download and install Cute FTP software (for uploading web pages to the Internet), and make the required changes to the website. I am pleased to say that this was achieved late on the Sunday afternoon. Phew!

After that, I was able to get on with other jobs for the rebuild such MS Office and Adobe Photoshop. I took the opportunity to convert from Outlook Express to Outlook 2003 for my email – in itself a bit of a saga because backed-up Outlook Express (OE) folders cannot be imported direct into Outlook 2003. Instead you have to set up OE and import backed up folders into that. Then you have to install Outlook 2003 and import mail and address books from the OE system. It works well but is unnecessarily complicated.

Re-installing my user data took a time but was mainly straightforward, the only complication being that the data was still hidden and had to be unhidden yet again after re-installing it.

Next, as my confidence in the machine slowly grew, I began to download and reinstall the “fun” things such as Ham Radio Deluxe and Plane Plotter. I also took the opportunity to rebuild the domestic wireless network using a new router. The previous network used a rather ancient D-Link ADSL Wireless router and had needed frequent re-setting – often several times a day. As I write this, the new router (a BT Home Hub) as been running continuously for six weeks with no problems at a speed of 8.1 Mbit/s – slightly faster than the previous device which could only manage 7.6 Mbit/s. I had read in Radcom that radio amateurs often experience EMC problems with the BT Home Hub and/or its switched mode power supply – but the one I had seemed fine.

Computing at the ‘WZK QTH is now back to normal, with all data restored. I learned a great deal from this episode but don’t want to go through such a protracted rebuild again on a machine that is so old. I have no idea how for much longer XP downloads will be available, so a new PC is needed. Part Two of this article will therefore describe how I went about designing and building a brand new PC.

Useful URL:

<http://support.kaspersky.com/faq/?qid=208280684>

To be continued

Guides TDOTA 2012



CATS has received two requests for help with Guides Thinking Day on The Air (TDOTA) 2012, from South Norwood and Croydon Guides respectively. TDOTA will take place over the weekend of February 18/19 2012 and the idea is to support one of the Guide Troops on the Saturday and the other on the Sunday. Offers of help to Denis M0NDJ, please.

G0KZT Radio Play Day 2012

Andy G0KZT writes:

“This idea was discussed at December’s AGM and on several club nets. I’m now inviting club members to become involved in putting the idea into action.

“The proposal is quite simple: to get club members together for a relaxed long weekend of radio activity in late May or early June. The objectives are:

- Fun
- Non-competitive ie non contesting
- Experimental – try out something new, either a mode or an antenna, for example
- Local
- A chance to put our club equipment into use

“I am inviting interested members to form a sub-committee and to be part of this event.

“Planning meetings will take place using a VoIP conference such as Skype or MSN Messenger and email. Please email me your interest to [g0kzt\(at\)tiscali.co.uk](mailto:g0kzt@tiscali.co.uk) and include a Skype or MSN Messenger address if you have one.

“73 de Andy G0KZT”

Skype ID: andyg0kzt

MSN ID: andyg0kzt@hotmail.com

Useful Links

Mike M1CCF writes:

"This website gives OS maps and associated grid reference:

<http://www.fonant.com/osmap.html>

"Or <http://www.streetmap.co.uk> knows about (can use) NG references, and has OS mapping at some scales.

"For those who are often confused about how to work out the Maidenhead Locator squares During my web research I found this link <http://f6fvy.free.fr/qthLocator/fullScreen.php>

Seasons greetings

Mike

Contests Coming Soon

2012:

Jan 15: AFS Contest CW
Jan 21: AFS Contest Phone
Feb 5: 432MHz Affiliated Societies Contest
Feb 11-12: First 1.8 MHz Contest
Feb 26: 70 MHz Cumulative #1
Mar 3-4: 144/432 MHz (Brass Monkeys) Contest
Mar 10-11: Commonwealth Contest
Mar 11: 70 MHz Cumulative #2
Apr 1: First 70 MHz Contest
Apr 8: RoPoCo SSB
Apr 15: First 50 MHz Contest
May 5: 432 MHz Trophy Contest
May 5: 10 GHz Trophy Contest
May 5-6: 432 MHz to 248 GHz Contest
May 13: 70 MHz CW Contest
May 19-20: 144 MHz May Contest
May 20: First 144 MHz Backpackers
May 27: 70 MHz Cumulative #3
Jun 2-3: NFD
Jun 10: Second 144 MHz Backpackers
Jun 16-17: 50 MHz Trophy Contest
Jun 24: 70 MHz Cumulative #4
Jul 7-8: VHF NFD
Jul 8: Third 144 MHz Backpackers
Jul 22: 70 MHz Trophy Contest
Jul 22: Low Power Contest
Jul 28-29: IOTA Contest
Aug 4: Fourth 144 MHz Backpackers
Aug 4: 144 MHz Low Power Contest
Aug 5: 432 MHz Low Power Contest
Aug 5: RoPoCo CW
Aug 12: 70 MHz Cumulative #5

Sep 1-2: 144 MHz Trophy Contest
Sep 1-2: SSB Field Day
Sep 2: Fifth 144 MHz Backpackers
Sep 9: Second 70 MHz Contest
Oct 6: 1.2 GHz Trophy/ 2.3 GHz Trophy
Oct 6-7: 432 MHz – 248 GHz IARU
Oct 7: 21/28 MHz Contest
Oct 21: Second 50 MHz Contest
Nov 3-4: 144 MHz CW Marconi
Nov 10: Club Calls Contest
Nov 17-18: Second 1.8 MHz Contest
Dec 2: 144 MHz Affiliated Societies Contest
Dec 26-29: 50/70/144/432 MHz Christmas Cumulatives Contest

For Sale/ Wanted

- (1) Yaesu FT690 Mk 2 six metre multimode with soft case, whip antenna, mike, DC lead, battery tray but no rechargeable cells. £250.
- (2) Two metre linear amplifier, 80 watts output, 10 watt drive, with new PA device. £80.
- (3) Slim Jim for 70cm, including 5m coax and BNC plug, VSWR test results. £18 each.
- (4) Transformer 24.5 volts, 60 amps. Very heavy. Offers?
- (5) Wanted: Loan of handbook for Yaesu FT 101ZD.

Contact Frank G3ZMF on 07780 347906 or via GB3NS.

Local Rallies & Events

15 January 2012

7th Dover Radio Rally

Whitfield Village Hall, Sandwich Road, Whitfield, Dover, CT16 3LY. Open 09:00
Parking, Boot Fair, Refreshments. Bring and Buy
Talk in on GB3KS
Contact: Ian, G3ROO, 01304 821588 or ian.g3roo@gmail.com
www.doverradiorally.com/index.html

5 February 2012

27th Canvey Radio & Electronics Rally

'The Paddocks', 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: Dave, G4UVJ, 01268 697978 (evenings)

rally@southessex-ars.co.uk

www.southessex-ars.co.uk/

12 February 2012

Harwell Radio and Electronics Rally

Didcot Leisure Centre, Mereland Road, Didcot, OX11 8AY, Oxfordshire. Radio, electronics and computing trade stalls, secondhand stalls, special interest groups, displays. Refreshments.

Open 10:30 to 15:30.

Contact: Ann Stevens 01235 816379 or

rally@g3pia.org.uk

www.g3pia.org.uk

26 February 2012

Rainham Radio Rally

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

Contact Trevor, G6LYW, 07717 678795 or

trev@wig1.co.uk

11 March 2012

Bournemouth RS 23rd Annual Sale

Kinson Community Centre, Pelhams Pk, Millhams Rd, Kinson, Bournemouth, BH10 7LH. Open 09:30. Free parking, trade stands, catering, disabled facilities. Contact John G0HAT 07719 700 771.

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

4 March 2012

Cambridge and District ARC Rally

Wood Green Animal Shelter, King's Bush Farm, A1198 London Road, Godmanchester, Cambs, PE29 2NH.

Open 10:00/10:15. Admission £3. Talk in. Trade. B&B.

Catering with bar. Disabled facilities. SIGs. Raffle.

Lectures. Family attractions.

Contact John G0GKP

01954-200072

j.bonner@ntlworld.com

www.cdarc.co.uk

15 April 2012

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

May 2012 (date TBC)

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

17 June 2012

25th Newbury Radio Rally & Boot Sale

Newbury Showground, M4 J13.

Open 09:00. Free parking, trade stands, catering, disabled facilities. Contact rally@nadars.org.uk

www.nadars.org.uk/

22-24 June 2012

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

15 July 2012

McMichael Rally & Boot Sale

Reading Rugby Club off A4 east of Reading

Open 09:30. Parking, trade stands, catering.

Contact g0jms@radarc.org

www.mcmichaelrally.org.uk

14-16 September 2012

Amsat Colloquium

Holiday Inn Guildford GU2 7XZ

Networking

Speakers

Gala dinner

www.uk.amsat.org/colloquium/twelve/

12 August 2012

Flight Refuelling Hamfest

Cobham Sports and Social Club Ground, Merley, Nr.

Wimborne, Dorset BH21 3AA

Open 10:00

Further information: www.frars.org.uk

hamfest@frars.org.uk

28/29 September 2012

National Hamfest

George Stephenson Pavilion, Newark & Nottingham

Showground, Lincoln Road, Winthorpe, Newark NG24

2NY. For the latest details and ticket information, visit:

www.nationalhamfest.org.uk

12/14 October RSGB Convention

11 November 2012

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

25 November 2012

CATS 35th 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

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 Jan – Club dinner

21 Feb - TBA

CPREC (CRYSTAL PALACE)

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

06 Jan – Loops by Colin Butcher M0XED

03 Feb – AGM and construction contest

02 Mar - TBA

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

Contact: Richard Perzyna, G8ITB (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 Progress Hall, Admiral Seymour Road, Eltham, SE9 1SL

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.

24 Jan - AGM

28 Feb - Early TV Receivers - Stephen Niechcial

27 Mar - Valve Audio Amplifiers - aspects of their design and performance - Keith Thrower

24 Apr - Radio from VP8 - Roger Eeles - G0SWC / VP8DBR

HORSHAM ARC

Website: www.harc.org.uk

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

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

5 Jan - Club Night: Bring Show Tell

2 Feb - Vector Network Analysis using the miniVNA pro - G3WZT

1 Mar – Junk Sale

5 Apr - Frequency Standards - G3JKF

3 May - ATC - Ross McDonald

7 Jun - GB3VHF

5 Jul - Photo Quiz - G4LRP (provisional)

2 Aug – TBA

6 Sep - 'What is This ?' A quiz by Tony G3NPF

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

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

23 Jan - Croydon Airport - John King

6 Feb - Talk (TBA)

5 Mar - Spring Surplus Sale

2 Apr - Annual General Meeting

14 May - Construction Evening

11 Jun - Construction Contest

2 Jul - Barbecue

6 Aug - Talk (TBA)

3 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

19 Jan - Ham Radio Olympics - Roger G3SXW

16 Feb - 'Limited Space Dipoles' by Dave Jefferies G6GPR

15 Mar – TBA

19 Apr – TBA

24 May - AGM

WIMBLEDON & DISTRICT ARS

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

Contact: Jim Bell M0CON 020 8874 7456

Club Net: Mondays 20:45 on 145.500 MHz

Meetings: 2nd & last Friday of each month at Martin Way Methodist Church, Buckleigh Avenue, Merton

13 Jan - Members' Xmas/New Year Activities

Retrospective - led by Eric Masters G0KRT

27 Jan - RF Phenomena - Demonstration and Talk by Andrew Maish G4ADM

10 Feb - Update on Bletchley Park and Computer Museum

24 Feb - On the Air

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