

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



Affiliated to the RSGB

April 2011

SYCOM - Official CATS Sponsor
Visit www.sycomcomp.co.uk

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

Regular Society Meetings

These are held on the second Monday in 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 Apr 11th Note change of event: Space Shuttle DVDs
Monday May 9th Talk on motorcycle trip to Himalayas by MONAT
Monday Jun 13th CATS Annual DF Hunt



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

March Meeting Report

For our March meeting Martin Butler - M1MRB from the Sutton and Cheam Radio Society (SCRS) brought along his version of the Ten-Tec 1330 radio and talked to us about his experiences of building one from a kit.



Martin, M1MRB, prepares to start his talk

As many of you will know Martin is responsible for the ICQ Podcast (*) and the decision to build the Ten-Tec rig stemmed from his wish for a suitable project to feature on the Podcast. He also wanted to improve his CW skills and to operate on a CW-only band without interference from contests. The Ten-Tec 1330 operates on the 30 metre band and fulfilled all of Martin's requirements, although models are also available for 20, 40 and 80 metres.

At this point, Martin asked for a show of hands from anyone interested in building a kit such as this – and several people expressed an interest. He then explained that the actual kit he built was supplied free (for review purposes) by the then UK distributors (AOR) although Waters and Stanton have now taken on this role. The price when the project began in January 2010 was around US\$120 but has since increased considerably.

Martin's kit arrived well packaged and included an A5 manual that contained lots of good information, although there were some supplementary sheets of alterations that Martin copied into the main manual in pencil.

The rig uses all discrete components (no SMDs) and is built in eight stages on a single screen-printed PCB. The constructor is encouraged to build and test each stage sequentially. Martin recommends using a PCB holder to simplify construction. (Maplin market

a suitable product but it is possible to make one using DIY skills.)

The range covered is 50 kHz which is fine for the 10 MHz band but does mean that on 80 metres (for example) the constructor must select in advance which portion of the band they intend to operate on. The rig includes a crystal filter centred on 14.31818 MHz – not a very good choice for amateur equipment!

Martin decided to take his time and build the kit in a leisurely fashion exactly to the instructions. It took him around 8 hours to complete initial assembly and testing: however he estimates that a determined constructor could complete the work in four hours or so if they really wanted to.

All went well until final assembly, when the recently-installed SO239 antenna socket had to be removed from the case to permit the PCB to be mounted inside.

Martin followed the manual exactly and encountered the following problems during construction.

1. The VFO was spot on the right frequency at the outset, but the wax supplied to fix the windings of the VFO inductor toroid was brittle. Martin replaced it with hot gun glue, but the VFO then became unstable before finally dying due to failure of the 2N5087 transistor. Martin rewound the VFO coil (for the first of many times) which was then found to be off frequency.
2. The output stage, which uses an obsolete CB-type transistor with a rated output of 4 watts, oscillated randomly between 6 and 73 MHz. After researching this problem on the internet, Martin discovered that this problem affects 80 % of Ten-Tec rigs and is due to three toroids being too close together. However it can normally be cured by adjusting the windings on the toroids. In Martin's case this fixed the fault but he was never able to get more than 1½ watts output, compared with the 3 watts claimed in the specification.
3. The tuning knob has no white line for frequency setting purposes: the instructions invite the constructor to paint one on themselves (the tuning knob, that is!)
4. A linear potentiometer was supplied for the volume control instead of a much superior (ergonomically) logarithmic one.

5. Despite rewinding the toroid 6 times, the VFO still keeps jumping in frequency.
6. There are three phono sockets on the back of the radio with no protection if the wrong one is inadvertently used, such as plugging a Morse key into the power out socket.
7. The screws supplied are of poor quality and the threads frequently strip.
8. Many wires in the rig are fragile and frequently break when disassembling and reassembling the radio.

It therefore came as no surprise when Martin concluded that he was very disappointed with the rig, which he had been very careful to build exactly to the instructions. And when he again asked for a show of hands from anyone interested in buying the kit, this time, there were no takers.



Martin, M1MRB

Overall, this was a very entertaining talk from a knowledgeable engineer and skilled lecturer that was well worth attending – and may also have saved several of us from wasting our hard-earned pennies. Thank you, Martin!

* See page 7 of this issue of Cats Whispers for more information about the ICQ Podcast.

CATS April Meeting

This was to have been a talk by Walter Blanchard, G3JKV, on WSPR (Weak Signal Propagation Reporter) that was originally scheduled for our October 2010 meeting. Unfortunately, Walter is again unwell and unable to come to CATS.

Instead, we will be showing a selection of DVD's about the Space Shuttle which look very interesting. As some of you may know, the Space Shuttle has only two flights left before its retirement later this year. The penultimate flight has very recently been rescheduled for 3:47 pm EDT on April 29th.

To find out more, come along to the meeting at 8:00pm on 11th April.

CATS May Meeting

This meeting will feature a talk by M0NAT on a motorcycle trip to the Himalayas – a name which incidentally means “Land Of Snow.” This talk has been rescheduled from February.

CATS June Meeting

This will be the annual DF hunt, to be organised again by CATS Chairman Glenn, G4FVL. Details will be published later but in the meantime anyone with suggestions for this year's event is invited to contact Glenn or any committee member.

The Brass Monkeys Contest – Debrief – by Andy Briers, G0KZT

During the weekend of March 5th & 6th CATS members once again braved the elements to field an entry in the March 144 MHz & 432 MHz contest from our usual site at Warren Barn Farm on the Woldingham ridge. The weather throughout was dull and overcast with light drizzle during the late evening. This cloud cover probably helped prevent the plummeting temperatures that we have previously experienced on this event. The morning of Monday 7th, immediately after the contest weekend was however very frosty with clear skies, so we had a near miss in that respect.

Members including Glen G4FVL, Frank G3ZMF, Len G0GNQ, Ian M3IGP, Mike G8AAI, Steve G3WZK, Andy G8JAC and Andy G0KZT arrived on site from around 10.00am to start putting the station together.

We were visited on site by Graham, M6XDZ, who intends to become a CATS member soon.

The station consisted of two Kenwood TS-2000's supplied by G0KZT and G3ZMF along with the club's pneumatic mast, our 17 element Tonna for 2m and 19 element Tonna for 70cms. Len provided the second mast and the power was supplied by our very reliable generator.

This contest had several sections and we decided to enter the 24 hour Open section that commenced at 2.00pm.

2m Station

Operators: G8JAC, G3WZK, G3ZMF, G4FVL, G0KZT
Total contacts: 148 with 4 non-scoring
Points: One point per kilometre – 43,261
Furthest contact: OK2M in JN69UN 991km

70cm Station

Operators: G3ZMF, G4FVL, G0SDB, G0KZT
Total contacts: 49 with 1 non-scoring
Points: One point per kilometre – 7,131
Furthest contact: DK8ZB in JO50DO 727km

18:00 - 18:59	2	830
19:00 - 19:59	5	265
20:00 - 20:59	3	120
21:00 - 21:59	7	767
22:00 - 22:59	3	355
23:00 - 07:59	nil	nil
08:00 - 08:59	3	947
09:00 - 09:59	1	316
10:00 - 10:59	nil	nil
11:00 - 11:59	4	70
12:00 - 12:59	1	59
13:00 - 13:59	2	455

Equipment

The Kenwood TS-2000 is fairly easy to operate without too many unnecessary buttons and functions. Both rigs had the optional digital recording unit fitted. While not an auto-caller in its own right, it can be adapted for use in conjunction with the VOX unit. The plus point is that when the band is quiet (most of the time on 70cms) it allows the operator to sit back and relax and wait for the elusive call. The minus point is unfamiliarity of use.

2m QSO rate analysis	QSOs	Points
14:00 - 14:59	12	2432
15:00 - 15:59	8	1093
16:00 - 16:59	22	3444
17:00 - 17:59	9	2396
18:00 - 18:59	8	3751
19:00 - 19:59	8	4225
20:00 - 20:59	3	2014
21:00 - 21:59	4	1473
22:00 - 22:59	4	2417
23:00 - 23:59	4	1145
00:00 - 00:59	1	933
01:00 - 01:59	2	497
02:00 - 03:59	nil	nil
04:00 - 04:59	1	842
06:00 - 06:59	2	1395
07:00 - 07:59	8	3408
08:00 - 08:59	5	720
09:00 - 09:59	6	1610
10:00 - 10:59	5	1278
11:00 - 11:59	8	1981
12:00 - 12:59	5	1120
13:00 - 13:59	19	5087

70cm QSO rate analysis	QSOs	Points
14:00 - 14:59	4	291
15:00 - 15:59	4	634
16:00 - 16:59	7	1341
17:00 - 17:59	2	681



The two stations alongside each other

The sectional 70cm mast we used had problems when being erected and for safety reasons a weaker section was taken out to avoid the "banana effect". This would have been reduced if a gin pole had been available.

Logging and Check-logging

Two laptop computers using Super Duper software were used. The plus points are that instant distances and bearings are available plus a duplicate spotting feature. One operator can run the station which is particularly important when manpower is limited. Double keying of data is eliminated when it comes to submitting an entry and not having to try and

read poor (or in most cases, rushed handwriting) after the contest is finished.

Minus points are that computers crash (although SD writes each QSO to disk so no data would be lost) and unfamiliarity of the software.

Paper logs get around some of the problems but an operator and check-logger are needed as a single operator would struggle to cope in a "pile up" situation. They all have to be typed in post event.



Frank G3ZMF in the 2m hot seat

Conditions

Stations reporting to the VHF Contest Committee website reported a mix of conditions including tropo openings and meteor scatter. Our log has many contacts in excess of 500km, especially on 2 metres.

On 70cm however it was hard going (as always) and again reports were filed that some stations only entered the 2 metre section. I believe that our 70cm score was low purely down to a lack of activity. I also believe that our position in the UK is not ideal.

Stations further north towards the centre of the UK and to the east (getting more European stations) seem to fair better.

See pages 12 and 13 of this issue of Cats Whispers for maps of the stations we worked.

Author's comments

This was another good example of the value of being a member of a club and teamwork. It is appreciated that not every member wants to operate the station and various members bring their own contribution to the team effort. Without members helping to erect and

dismantle the station, it just wouldn't happen (the reason that the August contest was cancelled last year was because of anticipated low support).



Len "Thumbs Up" G0GNQ

At this point I would like to express my thanks to Len G0GNQ and Ian M3IGP for providing the catering. They both continue to offer this essential service and cook a mean breakfast on the Sunday morning!

Thanks also to Glen G4FVL for his patience in getting the software to work in my absence. I would question whether keeping the station running all night really gives us any reward or benefit. This has been proven during several years of VHF NFD where question marks were raised over the lack of activity in the log. Other members of the North East Surrey Contest Group found this during operation in the twilight hours.

However the 70m entries have been competitive with the group winning the 70cm restricted section several years in a row. We're never going to be top of the league table but nevertheless it is both a challenge for us and more importantly good fun (I hope!).

My thanks go to all members who took part. Also for Frank's enthusiasm and determination to work solely through the night and getting us organised to do the event in the first place. Our entry has been submitted for each band, so we will now have to wait a see how we fare.

73 de Andy G0KZT

Editors' Note: The formal results of this contest were not available when this issue of Cats Whispers was being finalised. This information will therefore be included in a later edition of CW. A selection of additional photos of the event follows.



Frank (G3ZMF) and Ian (M3IGP) discuss tactics



Andy, G8JAC, on the 2m station



Glenn, G4FVL, on the 70cm station



General view of the CATS site, showing both antennas – 70cm on the left and 2m on the right



Running repairs on the 2m antenna system

Kempton Park

The first Kempton Park rally of 2011 takes place on Sunday April 17th and CATS will be running their usual “massive” (see RSGB advertisement) Bring and Buy stand at this event. Please pop along with any equipment you want to sell, or if you’re looking for a bargain rig or piece of test gear to buy, or just to say hello!

Amateur Radio Gold?

Andy, G0KZT, writes:

“While playing around on my iPod Touch within the scope of pod-casting, I came across several Amateur Radio based podcasts. One of these was ICQ www.icqpodcast.com/ that is presented by Martin Butler M1MRB (who gave his talk on the Ten-Tec home-brew kit at our March meeting) and his son Colin M6BOY. This is a fortnightly broadcast covering amateur radio news and other related topics with Martin and Colin acting as the news anchors.

“I’ve listened to several broadcasts while travelling up to London on the train and have found them very informative and because of the banter between father and son, more entertaining than the RSGB GB2RS broadcasts (no disrespect to the RSGB broadcast).

“But it doesn’t end there! The website is stuffed with information with links to videos and articles. There is also scope for our club in the events and club section.”

73 de Andy G0KZT

For Sale/ Exchange/ W.H.Y.?

New CATS member Denis (SWL) has two Microwave Modules 2 metre converters that he no longer needs. These have an output at 28-30 MHz and require a 12 volt DC supply. He is open to offers from any member that would like one.

He is also looking for an HF ATU suitable for use with a long wire aerial.

Just give him a call on 01737 643242 if you're interested in buying, selling or exchanging any of these items.

CATS Contesting

Consideration is being given to CATS entering one or two more contests in 2011, possibly including 144 MHz backpackers or VHF NFD. Please contact CATS contest secretary Frank, G3ZMF, or any committee member with your views.

Contests Coming Soon

2011 :

Apr 10: First 50MHz Contest
May 7: 432MHz Trophy Contest
May 7: 10GHz Trophy Contest
May 7-8: 432MHz-248GHz Contest
May 15: 70MHz Contest CW
May 21-22: 144MHz May Contest
May 22: 1st 144MHz Backpackers
May 22: 70MHz Cumulatives #3
Jun 4-5: NFD
Jun 12: 2nd 144MHz Backpackers
Jun 18-19: 50MHz Trophy Contest
Jun 26: 70MHz Cumulatives #4
Jul 2-3: VHF NFD
Jul 3: 3rd 144MHz Backpackers
Jul 17: Low Power Contest
Jul 17: 70MHz Trophy Contest
Jul 30-31: IOTA Contest
Aug 6: 4th 144MHz Backpackers
Aug 6: 144MHz Low Power Contest
Aug 7: RoPoCo CW
Aug 7: 432MHz Low Power Contest
Aug 10: 80m Club Sprint CW
Aug 14: 70MHz Cumulatives #5
Aug 25: 80m Club Sprint SSB
Sep 3-4: Sep SSB Field Day
Sep 3-4: 144MHz Trophy Contest
Sep 4: 5th 144MHz Backpackers
Sep 11: Second 70MHz Contest
Oct 1: 1.2GHz Trophy / 2.3GHz Trophy
Oct 1-2: 432MHz-248GHz IARU
Oct 16: Second 50MHz Contest
Nov 5-6: 144MHz CW Marconi
Nov 12: Club Calls
Nov 19-20: 2nd 1.8MHz Contest
Dec 4: 144MHz Affiliated Societies Contest
Dec 26-29: 50/70/144/432MHz Christmas Cumulatives Contest

Shak Nowtz

Over the page you will find the tenth in the series of articles written by “mad” Frank, G3ZMF. The next issues of Shak Nowtz will cover circuit notes, then modifications to transistor PAs in PMR rigs to make them suitable for SSB operation.

There is also a correction to Shak Nowtz no. 7 as published in the January 2010 edition of Cats Whispers. The correct callsign of the inventor of the single band, switched direction antenna is UA1IAR, not as indicated. Apologies for this.



SHAK NOWTZ BY "MAD" FRANK - G3ZMF

SHAK NOWTZ No 10 – An SWR bridge and 23cm quad loop yagi

Introduction

This "Shak Nowtz" has information on a couple of my constructional projects.

QRP LF/HF VSWR Bridge

A bridge like the one I describe here is just right for people with FT817s who want to work QRP on 160 metres. Although the coaxial cable used for the sample line is 75 Ω, no problems were found when using a short length (600mm coiled up in three turns) on a 50 Ω system on any band below 30 MHz when tested into a 50 Ω dummy load. The reason for using domestic 75 Ω coax is because the dielectric typically contains 6 or more longitudinal air spaces through which sensing wires can be threaded.

In this case, I passed the sensing wire through the air spaces twice. The ends of this are fed to a double pole double throw (DPDT) switch

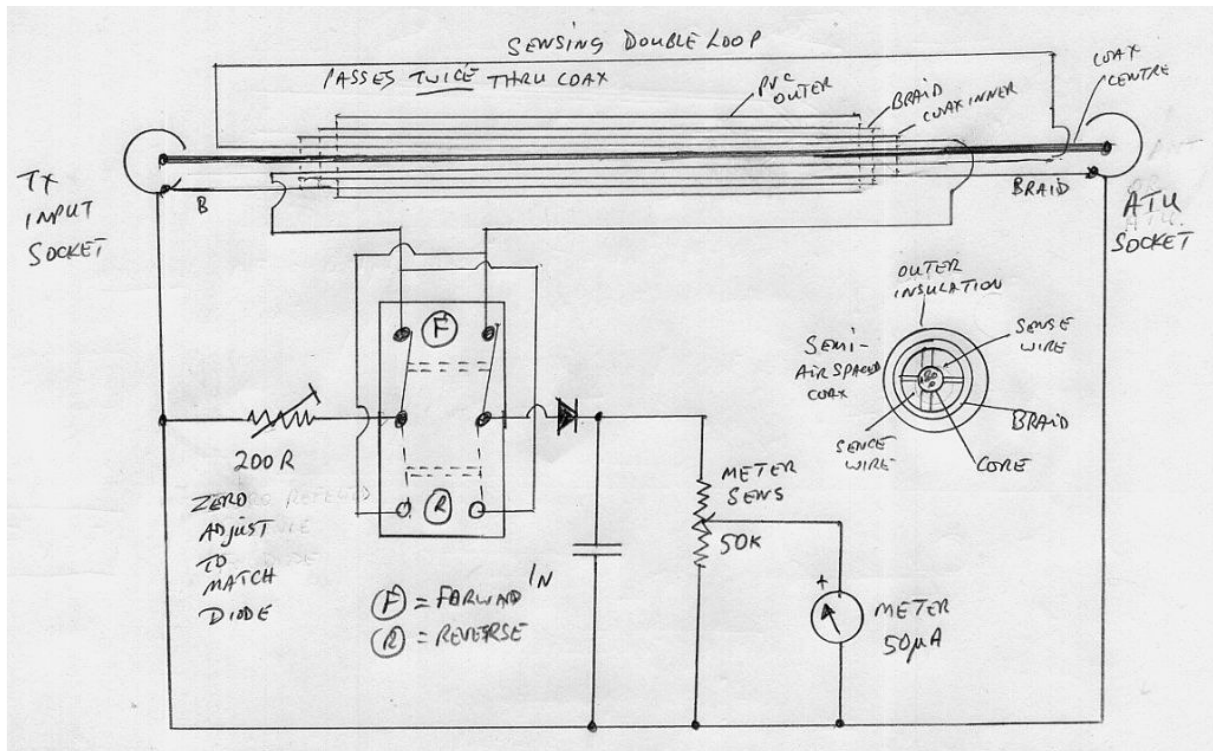
so that one end is terminated in a resistor to ground and the other goes via a detector diode and sensitivity control to the meter. The switch selects forward or reverse power indication. The diode can be a 1N914, 1N4148, 1N60, OA81 or OA91.

The meter is 50 μA full scale deflection (FSD) and with just 500 mW on 1.8 MHz, FSD was easily obtainable. No VSWR scaling was attempted but guide results were printed on some stick-on tables. See table below for an example of possible meter scalings.

Reading	0	5	10	15	25	50
VSWR	1:1	1.2:1	1.5:1	1.8:1	3:1	inf

Set-up procedure:

1. Connect a dummy load and apply a small amount of RF.
2. Select "forward" on the switch and adjust the meter sensitivity control to FSD.



Circuit diagram of G3ZMF's VSWR Bridge

SHAK NOWTZ No 9 – An SWR bridge and 23cm quad loop yagi

3. Swap the input and output connections.
4. Adjust the 200Ω resistor to get as near zero as possible. Its value is now equal to the impedance of the diode.

Six Element Quad Loop Yagi For 1296 MHz

No originality is claimed for this antenna design as it is by G3JVL and is published in RSGB books [1]. The method of construction however is by me! The loops are reused 0.1" outer diameter wire from an old roller coaster (variable inductor).

The second reflector on the left of the picture is made from plain copper coated circuit board soldered to the boom - which is a length of 22mm copper pipe. The mast is an old pool cue. The yagi is screwed to the thick end and the thin end, at my QTH, is wedged behind a radiator in the shack.

The coax feed is similar to RG174 to a BNC socket soldered to the underside of the yagi boom. No balun was used and in tests the yagi exhibited a VSW of 1.5:1 at 1250 MHz and 1300 MHz, with much improved VSWR

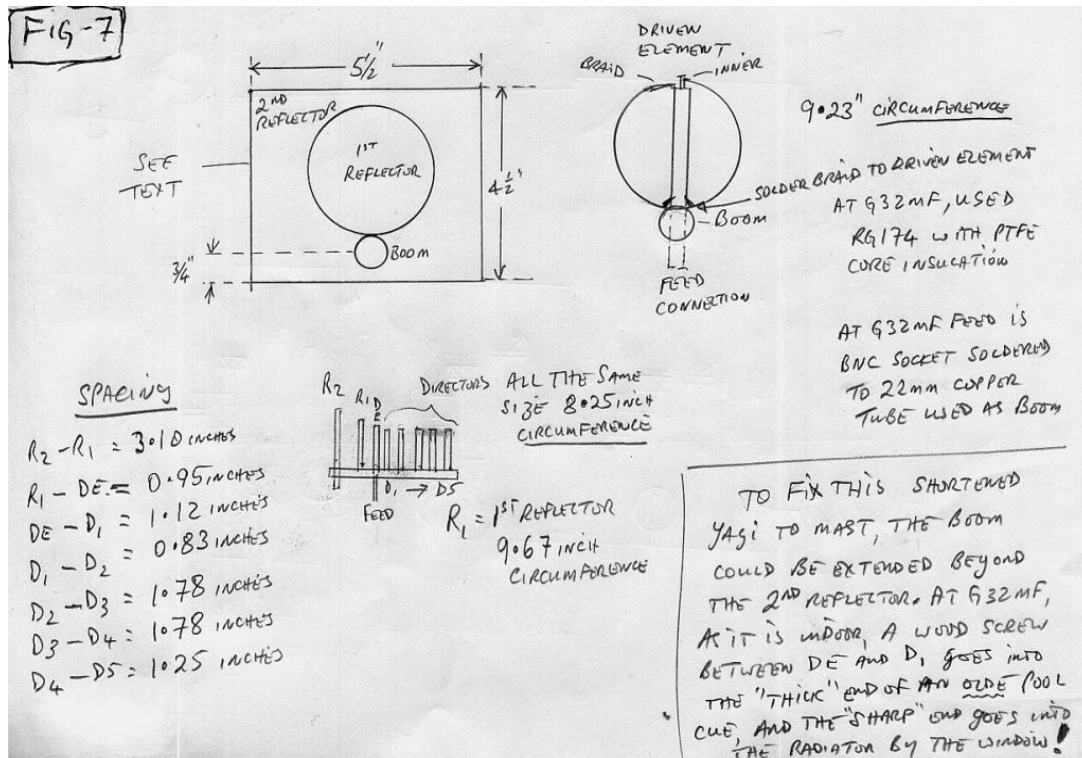
between these frequencies. The diameter and spacing of the elements closely followed G3JVL's brilliant design. I achieved a gain of around 10 dB compared with a dipole, with a surprisingly sharp beam width.



The finished antenna

Have fun!

73 de Mad Frank G3ZMF
[1] RSGB Handbook, 4th Ed, page 9.60. ISBN 0 900612 63 0



Constructional details of G3ZMF's 23 cm antenna

Local Rallies & Events

17 April 2011

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.

22 May 2011

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

5 June 2011

Newhaven Fort Amateur Radio Group Rally

Newhaven Fort, East Sussex

Open 10:30. Parking, boot sale, disabled facilities, family attractions, catering

Contact Eddie G0ECW, 01273300772 or

eddie@zamboodle.demon.co.uk

www.nfarq.webs.com/

12 June East Suffolk Wireless Revival

Orwell Crossing Lorry Park

A14 Eastbound, Nacton

Ipswich, Suffolk IP10 0DD

Car Boot Sale, Bring & Buy Sale, Special Interest Radio Groups, Local Radio Clubs, RSGB Bookstall, Excellent Food and Facilities, Easy Parking.

Contact John G3XDY, 07710-044858 or Steve, M1ACB 07711-329624

www.eswr.org.uk

19 June 2011

Newbury Radio Rally & Boot Sale

Newbury Showground, M4 J13.

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

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

24 – 26 June 2011

Hamtronic Show, Friedrichshafen

Messe Friedrichshafen, Germany

www.hamradio-friedrichshafen.de/ham-en/index.php

3 July 2011

Norfolk ARC Barford Radio Rally

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

17 July 2011

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

31 July 2011

Colchester Annual Rally

St Helena School, Sheepen Road, Colchester.CO3 3LE.

Open 10:00. Parking, Trade Stands, Bring and Buy.

Contact: Brian 01206 822547 or brianfitz@aspects.net

www.g3co.ccom.co.uk/rally.html

30/31 July 2011

Amsat Colloquium

Holiday Inn Guildford GU2 7XZ

www.uk.amsat.org/content/view/704/68/

14 August 2011

Flight Refuelling Hamfest

Cobham Sports and Social Club Ground, Merley, Nr.

Wimborne, Dorset BH21 3AA

Further information: www.frars.org.uk

28 August 2011

Milton Keynes 51st Amateur Radio Society Rally

Bletchley Park, Sherwood Drive,, Bletchley MK3 6EB

Open 09:30 trade stands, catering

Contact: Steve 07866 673192 or

www.mkars.org.uk

10-11 September 2011

Gatwick Weekend

Vintage operating group

Contact: Mike, M1CCF: 0208 654 2582 or

m1ccf@talk.talk.net

www.radioclubs.net/m0vog/

30 September/ 1 October 2011

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

7-9 October 2011

RSGB 2011 Convention

Horwood House near Milton Keynes

Lecture streams

www.rsgb.org/rsgbconvention

11-12 October 2011

EMCUK Exhibition

Newbury Racecourse

RSGB stand

IEEE demonstration bench

You need to register on line for free tickets at:

www.emcuk.co.uk

6 November 2011

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.

20 November 2011

CATS 34th 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

Email: info@bdars.co.uk

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

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

1 Apr - Air Traffic Management 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: 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

7 Apr – Ham Radio in France

21 Apr – AGM

5 May – The ICOM 756

19 May – Simple data communications

16 Jun - DF hunt

21 Jul – Social and BBQ

18 Aug – Natter nite and members' expo

1 Sep - High performance antennas

DORKING & DISTRICT

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

Email: ddrs.secretary@yahoo.co.uk

Contact: David Smith, M0SXD, 07808579501

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.

Apr 26 - PIC Chips - Paul Swarman, G0ODP

May 24 - Personal Challenge evening.

Jun 28 - Electrical Safety - Robin Page-Jones G3JWI

Jul 26 - South Downs evening.

Aug 23 - Social evening.

Sep 27 - The STEPPIR antenna, Rob Barter M0ZAF.

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

7 Apr - Minimum Antenna Height - Mike Underhill - G3LHZ

5 May - Software Defined Radio - Chris Smith - G4NUX

2 Jun - David Smith (M0SXD) - Repairing Vintage Radios

7 Jul – TBA

Horsham- Contd

4 Aug – TBA

1 Sep – Tony Crake - RF Transmitters and Other Experiences

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

29 Apr – Surplus equipment sale

27 May - Trams by Ian Gledhill

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

4 Apr - AGM

9 May – Construction Evening

6 Jun - Construction Contest

4 Jul – BBQ

1 Aug – Talk (TBA)

5 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

21 Apr - Simple Junk Box Antennas - Martin Butler M1MRB & Denis Noe M0NDJ

19 May – AGM

23 Jun – (note new date) Susy Radio – John, G8MNY

21 Jul – TBC

18 Aug - TBC

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

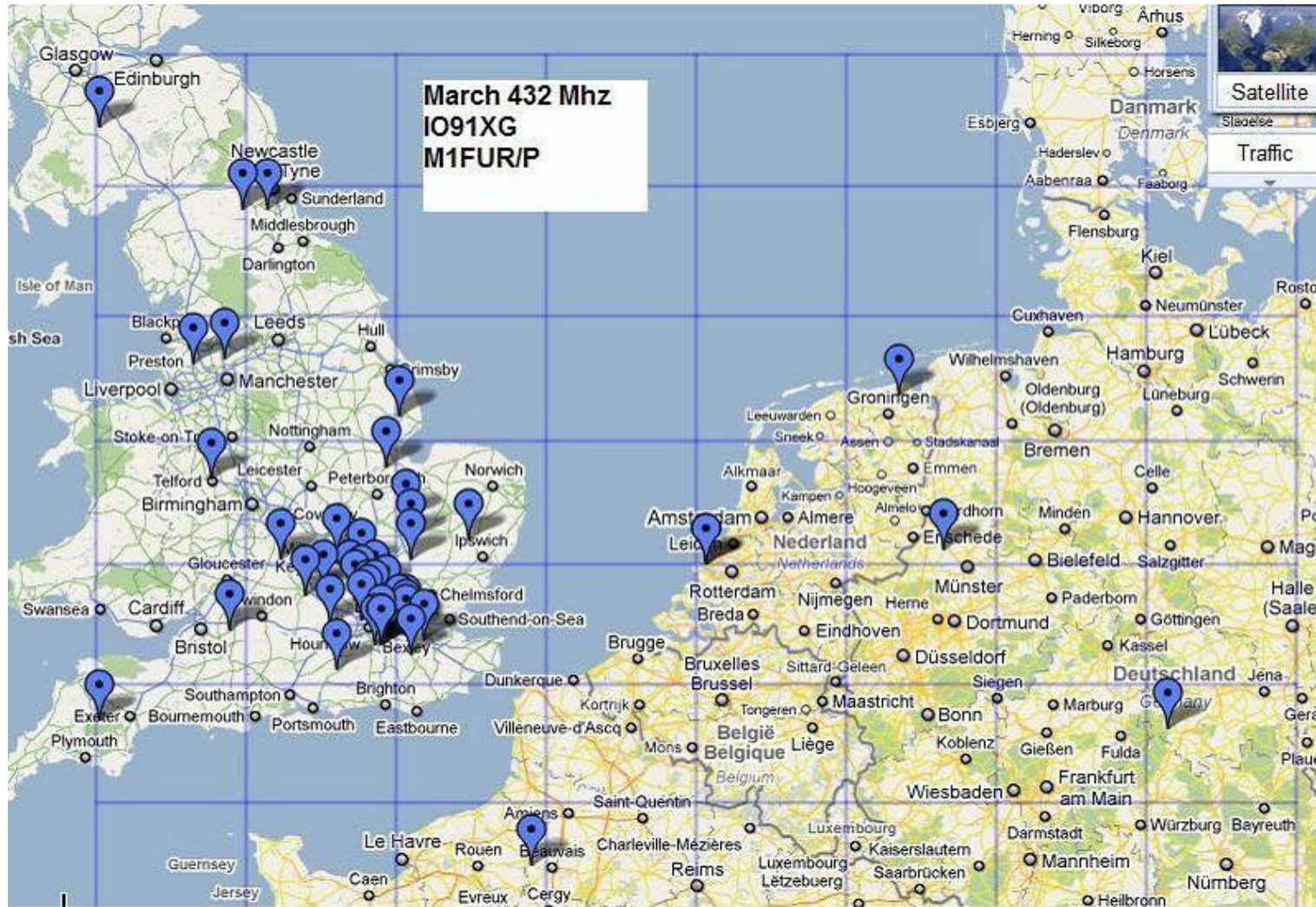
8 Apr - Surplus Equipment Sale

29 Apr - No meeting

CATS Whispers is published monthly by
S J Beal G3WZK on behalf of the
Coulson Amateur Transmitting Society. © C.A.T.S. 2011



Locations of the stations worked on two metres by CATS in the contest on March 5th/ 6th 2011



Locations of the stations worked on seventy centimetres by CATS in the contest on March 5th/ 6th 2011