

COULSDON AMATEUR TRANSMITTING SOCIETY

G4FUR



M1FUR

CATS WHISPERS



July 2008

Affiliated to the RSGB

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CATS Committee

Chairman: Steve Conway G7SYO
Secretary: Andy Jackson G8JAC
Treasurer: Derek Hands G1PGS
Members: Steve Beal G3WZK
Stuart Barber G6CJR
Dennis Noe M0 NDJ
Frank Emery G3ZMF

CATS Whispers Editor: Andy Jackson G8JAC
email address for contributions: cats@qsl.net

Regular Society Meetings

These are held on the second Monday in each month at:-
St. Swithun's Church Hall, Grovelands Road, Purley at 20.00 to 22.00hrs.

Society Nets

1st Saturday of Month - 1715hrs Crescenta Valley / CATS Net on Echolink
Normally via MB7IPL node on 145.2875 MHz.
Sunday mornings - 1100hrs. Call on S20 (V40) then to 145.2875MHz.
Sunday evenings - 1700hrs. 3.700 MHz +/- QRM
Wednesday evenings - 21.00hrs. Call on 70.425 MHz

CATS Website www.qsl.net/cats **Email** : cats@qsl.net

New website host: <http://www.sthost.co.uk/webpace/cats/>

Forthcoming Meetings

Mon 14th July - Repairing Amateur Radio by Tony Fell G7DGW
Mon 11th August – The annual CATS Bar-B-Q at G4RWW
Mon 8th September – GB3NS - our local repeater by Denis G0 OLX



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

June meeting report

The annual CATS direction-finding event – or Fox Hunt if you like – was our activity for June. A pleasant, warm evening gave us a good turnout of hunters with six teams taking part (it would have been seven but M3JXN got delayed coming back from an extremely alcoholic stag weekend in Spain. At least, he blamed the delayed flight).

All the members headed for the published starting point on Farthing Downs, only to discover that the car park on the map didn't exist any more. No matter, we used the one near the cottages a little higher up. Terry G4CDY was to be the fox for the event and after passing on the details to G8JAC who was acting as starter and liaison, he disappeared off into the ulu to get set up. It had been decided that two prizes would be awarded, one for the first team to successfully locate the fox, and a booby prize for the person who covered the furthest distance but still made it to the end (thanks Terry for raiding your wine cellar for the prizes).



The contestants readying for the Off.

At 20.00 the first transmission was received and bearings were frantically taken. After recording their odometer readings, the first teams were into their cars and away.

The transmissions from the fox were of about 30 seconds duration every five minutes with a voice message identifying the callsign of the transmitter as G4CDY/P but not of course giving the location other than as "Surrey". It was therefore necessary to add that the transmission was for a DF event to explain the lack of a location.

There was a certain amount of guessing going on as to possible locations with the names of various pubs being bandied about for some reason.



Concentration as the G4FVL team take initial bearings.



The G0GNQ team craftily getting their initial bearing via moonbounce.

With all the teams having departed, G8JAC, who was the only one other than the fox to know the target location, got on the road himself. To mislead any possible watchers, a circuitous route was taken, but he was spotted near the end of Chipstead Valley by G4FKK. Another diversionary exit towards Epsom was made in order not to give any clues.

Meanwhile, G4CDY had secreted himself at the back of the Sportsman in Mogador, a pub at the far end of a long leafy lane and Terry placed himself right at the back in the overflow car park.

First to make it to the right pub was Martin G4FKK with his secret weapon, daughter Katy whose skills at orienteering learned in the Guides had won them victory last year. After a little confusion as to why he had an end-stop signal in an otherwise deserted car park, Terry was discovered behind a thick screening hedge. Time taken: 33 minutes, distance travelled: 11 miles.

Second in was G6MFM, a single-handed entry with a time of 43 minutes, and 3rd place was taken by the G4FVL team with a time of 77 minutes.

With the bar beckoning, the successful hunters adjourned for a well-earned (if expensive) pint.



The winning team of Martin G4FKK and Katy receive their prize from Terry G4CDY.

So who got the better-late-than-never prize? That went to Andy G0 KZT. Thanks to all those members and friends who turned out to make this one of our best DF hunts in recent years and of course our thanks to Terry G4CDY for organising it and being such a good fox.

CATS Future Activity News

Our **July** meeting will be a lecture by Tony Fell G7DGW. The subject will be Repairing Amateur Radio, presenting techniques and information on the repair of kit when it inevitably goes wrong, and maintenance to keep it in good shape. This promises to be an interesting presentation on something that most of us dabble in at one time or another. There will be handouts provided at the meeting.

If it's **August**, then it's Bar-B-Q and beer time and we will be gathering at Prue's for our annual summer social event. As her landmark tower no longer guides Croydon's commuters, incoming flights to Gatwick and local bird migration, make sure you know where her QTH is! We still need a volunteer to flip the burgers!

Looking ahead to **September**, We have a presentation on the GB3NS repeater by the repeater keeper Denis G0 OLX. Find out the story behind the repeater and the problems that had to be overcome to get it back on the air.

Coming up in **October** we venture into the telecoms world under the sea with a presentation by Steve G3WZK on sub-sea cables. Sandwiched between HF radio and satellites as the technology for world-wide communications, sea cables are still in everyday use. As well as the theory there will be examples of the cables used and a chance to examine the technology.

Is there something that YOU would like to see as an activity for our meeting evenings? Could YOU present something that would interest other members? Got an idea for something that we could present? Tell a committee member!

Membership Matters

There are no changes to the membership to report this month.

TransPONDer Net

"Hopefully, we'll also have found out how to pronounce Deukmejian Park by then".

That's what I wrote last month about the location that CVRC would be using when the next Transponder net would be held. Mark W6MW helpfully explained that the park is officially known as Deukmejian Wilderness Park and is named after former California governor George Deukmejian. It's pronounced "Duke-may-jin".

We had hoped to add a little interest to their public display by bringing the July Transponder net forward a week. In the event we were beset by problems at both ends; we did not have the Echolink connection available at our end, and in California, there was a problem with accessing the simplex link to the site that was set up by Mark KE6ZRP. A couple of contacts were made by connecting into Echolink direct from here and using the CVRC Glendale repeater so all was not lost.

Next Transponder link will be on Saturday 2nd August, when it coincides with our contest weekend. Which neatly leads us to -

Contesting latest

144/432 MHz Low Power 2-3 August 2008

This is the only other field contest that we are planning to take part in this year. This is the last newsletter before that weekend, so talk to our contests secretary G0 KZT if you want to operate, help or be involved. This will be purely a CATS event, and weather permitting and subject to sufficient enthusiasm from members, we can make a family event of the weekend with a cook-out on the Saturday evening or whatever you would like to do. We will be using the same site as usual at Nore Hill aka Woldingham Ridge. TQ387563 for those with maps or SatNav.

Secrets of the lone hunter

Derek G6MFM was a single-person entry to our recent DF hunt and came in second. He has kindly sent in some notes that he made of the event.

Location	Map reference	Estimated bearing	Actual bearing	Signal strength	Remarks
A	TQ302 572	246 ^o	246 ^o	59	Null good
B	TQ276 556	248 ^o	242 ^o	59	Null good
C	TQ260 520	265 ^o	265 ^o	59+	Null poor
D	TQ240 556	178 ^o	182 ^o	59+	Null good
E	TQ241 521	-	-	59++	Null lost

Comments

1. The G4CDY “tape” antenna was used throughout.
2. The receiver used was a u2E handheld transceiver.
3. Attenuator: None used.
4. Bearings were calculated by reference to fixed features and plotted with respect to grid north.

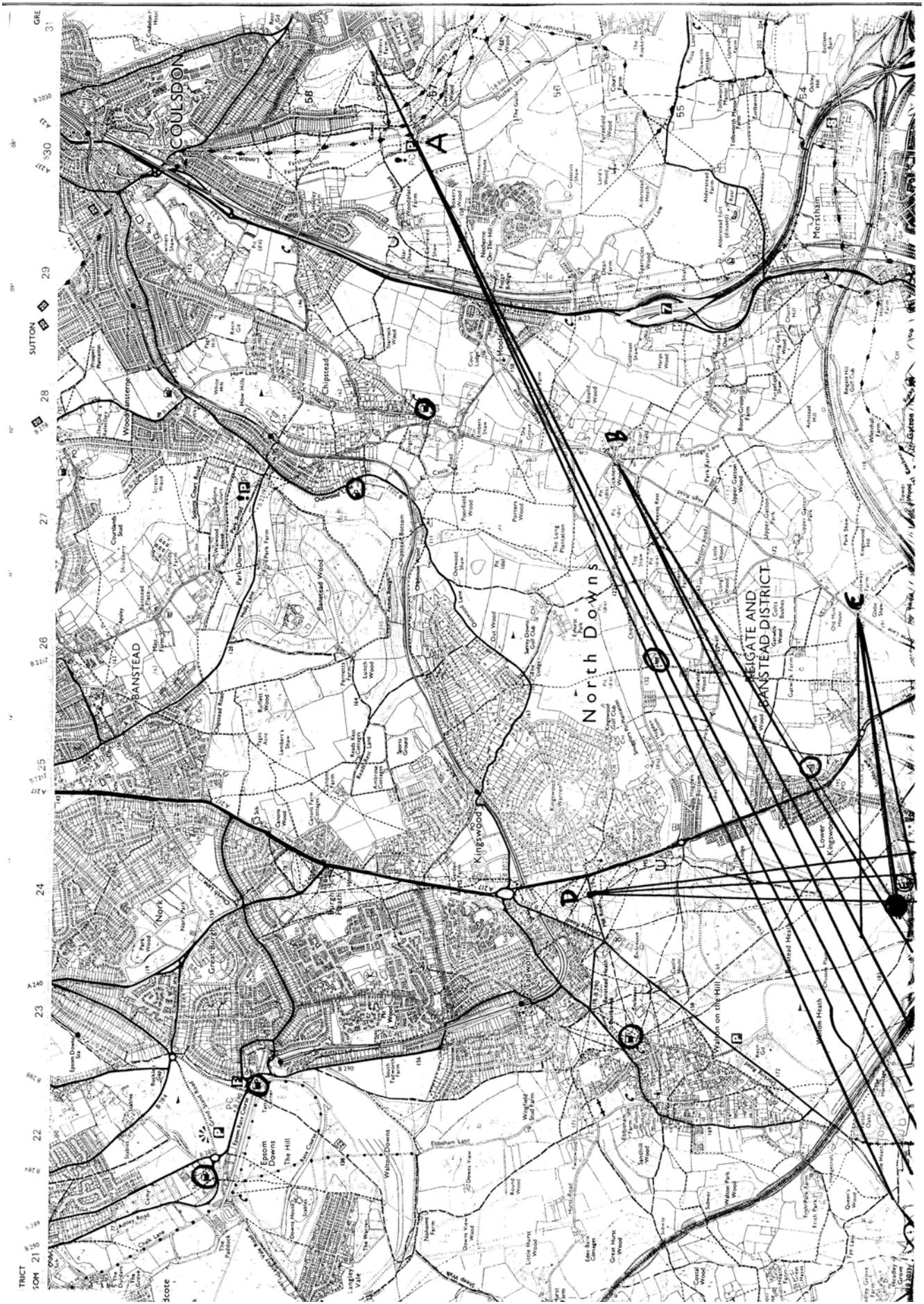
Lessons learned

- a. It is best to move well to one side of a plotted bearing before performing the next plot.
- b. An attenuator would help (but see conclusions).
- c. When getting close to the fox, the signal will swamp the receiver with or without an attenuator.

Conclusions

1. The old version (one Inch to one Mile) of the Ordnance Survey maps is better than the new metric ones (1:50,000 scale Landranger) for the detail needed for fox hunting. (1:25,000 scale maps may solve this problem. Ed.)
2. Although good for the “carbon footprint”, judging the results on the basis of the distance covered tends to count against obtaining the obtuse angles needed for good comparative bearing measurements.
3. Experiments with a shielded loop and a well-shielded field strength meter may help when close to the fox.
4. It also helps enormously to have had a mis-spent youth navigating rally cars and visiting country drinking venues.

G6MFM's plots are shown on the next page.



Info On Mystery Antenna Please

Pictured below is an aerial that I obtained from the late Ian Banford G0BGH from his QTH down at the coast. While taking the aerial down and dissembling it, I unfortunately forgot to make a note of the layout of the elements.

Is there anyone out there that recognises the make and possibly a model number? Also, having put it together how I now remember it, have I assembled the elements in the correct order? I have tested it and it gives an SWR of 1.3:1 across most of the 2-metre band. However, 70cms, and in particular the lower section of the band for SSB, the SWR is nearer to 2.5:1 with dips around 430 and 434 MHz. I cannot see how the SWR is adjusted, so any hints would also be grateful.



Andy G0KZT

My Nightmare With Gamma Matching

Following my efforts at 6-metre contesting, I invested in a 3-element Yagi from Moonraker, their model YG3-6 with a boom length of 183cm (72 inches) that has a stated gain of 7dBd. Having a bit of free time available one evening before tea, I set about assembling and tuning it up. Members may remember that at the April meeting I tried testing it in the church hall but obtained disastrous results with Len G0GNQ's antenna analyser!

I very carefully measured out the three elements; reflector 115.5", driven element 111" and the director 106.5". The gamma match was set as per the instructions with 3" distance for the matching rod and 10" for the shorting bar in respect from the boom.

Early SWR tests showed an excellent SWR reading of almost 1:1. However, this was at 52 MHz and not a lot of use being at the far end of the band. The bandwidth at this point was about 750kHz (estimated) and the lowest usable frequency was still far too high for SSB usage. The instructions advise to adjust the gamma match and the shorting bar for the best SWR. This is where the "fun" began!

The aerial was attached to a short mast held in place by the trusty Workmate bench and positioned away from the house. Some of you will know that my shack is currently (subject to change when Melissa takes up occupancy in the not too distant future) at the front of the house upstairs. I have coaxial feeders running to the back of the house via the loft, one feeding the tri-band vertical, one feeding the 70 MHz dipole and a third which can be used for any other purpose, usually feeding the inverted 'V' G5RV. The garden is at the rear and this meant countless trips up and down the stairs to make fine adjustments to the aerial, much to the annoyance of the "Station Manager". This went on for several hours and no matter what I did, I could not get the centre frequency to drop below 52 MHz. This called for drastic measures so I set about setting the Kenwood TS-2000 into cross-band mode (enabling a signal to be received on UHF and triggering the transmitter on the main band), placing the SWR bridge in-line on the mast and thus being able to stand near to the aerial with a hand-held rig to fire up a CW signal on 50.150 to give a steady carrier. By this time it was about 9.20pm (sunset had been due at 9.11pm) so light was fading fast! I began to make extreme variations to the gamma match and shorting bar in sheer frustration.

I must be able to see some swing in the centre frequency I thought. Suddenly I registered that the SWR had jumped from 4:1 to a little under 2:1. Further adjustments to the aerial successfully brought the SWR to around 1.4:1 and I could not believe my luck! I removed the SWR Bridge from the mast and returned to the comfort of the shack and placed the Bridge where you would normally expect it to be, immediately behind the transmitter. I have now found that the SWR is between 1.3:1 and 1.5:1 across the whole band! The magic measurements turned out to be 11 ¾" for the matching rod and 12 7/8ths" for the shorting bar. So the motto should be, "If at first you don't succeed, try extreme measures!" Incidentally, I found in general that the longer the gamma rod was, the broader the bandwidth was. I'm still confused as to which direction the shorting bar goes to lower the resonant frequency of the beam.

Andy G0KZT

VHF National Field Day

For the first time in several years, we took part in the RSGB VHF National Field Day competition by joining with three other local clubs under the banner of the North East Surrey Contest Group. The other clubs involved were Surrey Radio Contact Club (SRCC), Addiscombe Amateur Radio Club and Wimbledon and District ARC. The CATS commitment was relatively small which was perhaps fortunate, as comparatively few CATS members had responded to the invitation to get involved. The site used was the same one that we have used before at Nore hill on the B269 to the east of Woldingham.

We had volunteered the use of our SCAM mast and rotator to support the 70cm station antenna system that was supplied by G8MNY.

G8JAC and M3JXN transported the kit up to the site on the Friday evening where we were joined by Andy G0KZT who brought along the rotator, and got the mast set up and the antenna rigged. Unfortunately a bout of what felt like 24-hour flu put G8JAC one degree under for most of the weekend. (Nothing whatsoever to do with alcohol, honest. Ed.)

The other stations being run were operating on 2m, 4m and 6m so the field rapidly filled up with masts, tents, vehicles and people, attracting some curious gazes from passing vehicles. Of course, our new pump up mast went up a treat, to the envy of those other clubs who were using the "gin-pole" method of hauling their masts up. The maximum height for the restricted section was 40 feet.



View of the site looking North with the 70cm mast and station nearest.

Andy G0KZT takes up the story.....

The following day I arrived on site just after mid-day. John G8IYS (SRCC) had positioned his caravan and along with Peter G3ZPB (SRCC), the gear consisting of a Yaesu FT736, two amplifiers

(the first taking the low driven power from the rig to drive the second) and the computer were assembled. Our second provision, the rotator began to work fine under test but with about 20 minutes to the start, the direction needle failed. The lid came off the control box and as if by magic, John G8MNY (SRCC) produced a circuit diagram. Nothing was found to be wrong with it. Frank G3ZMF produced from thin air a pair of small binoculars and could see the problem, the plug going into the rotator at the top of the mast had pulled out slightly. It was decided to start the contest to get the early contacts and lower the mast again after about an hour.

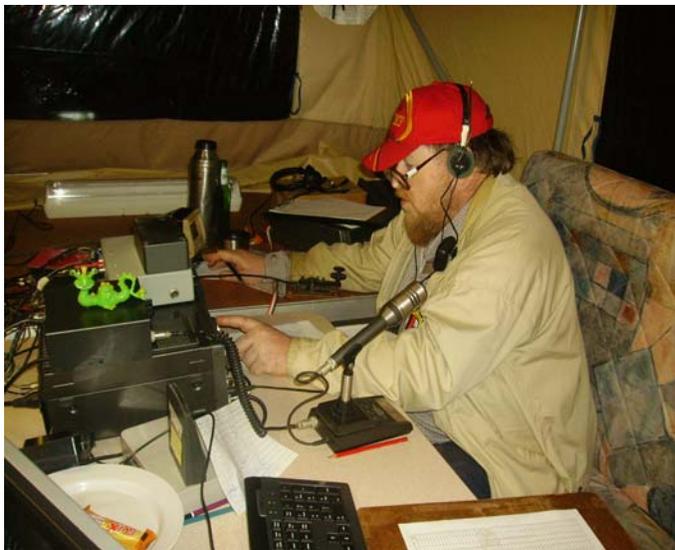


CATS mast with the G8MNY 27-element loop Yagi giving 23dBi gain.

Activity at the beginning was steady and everything was going fine. Observers were able to give verbal updates to where the aerial was pointing. I forgot to mention that it was windy. Very windy. I tried to help Peter G7PWV (SRCC) erect a small gazebo but the wind was just too strong. We resigned to giving it up as a bad idea before the gazebo was completely destroyed! Other stations around the country were reporting heavy rain so I considered us lucky in that respect. As arranged, the aerial was lowered and within 20 minutes, was back up again with the rotator working perfectly again.

I found out that each of the respective tents had made their own arrangements for meals. Sadly, 70cms had none so I decided to pop home via the

local fish & chip shop. I had already said to the XYL that I would pop back to help with the two harmonics Melissa & Jessica. On my return I took up the reins again and operated for the rest of the evening along with Frank and Steve G4FYF (SRCC). While there had been good numbers in attendance, each period of operating lasted about an hour. But, as the numbers thinned out, yours truly along with Frank and Steve carried on.



Frank G3ZMF at the key of the 70cm station in the small hours.

70cms is a fickle band. It has the potential to give good levels of activity with distances in excess of 400km being readily achieved. However of late, this has not been found to be the case. As we have experienced in the March contest and at last years August effort, contacts can fall on stony ground and VHF NFD was to be no exception. Between 11.30pm and 7.30am we did not manage one single contact. It was not through trying I must add. The voice auto-caller was used throughout and Frank even tried using the Morse key. Anyone turning up in the morning would have thought we had shut the station down and gone to bed. As it was, I stuck at it until about 3.30am where I did resign myself to sleep. Frank however did carry on with Steve who had a nap earlier in his van.

The morning did bring a few additional contacts as fixed stations and indeed some portable stations began to wake up. I had to leave the site early at around 9.30am as I had another commitment. Members of SRCC began to return and it was time to hand the reins back to them. When I left we had mustered around 70 contacts. I do not know what the final total was.

Andy G8JAC had reported sick. He arrived on the site on the Friday with a stinking cold so it seems it got the best of him. Along with Paul M3JXN and Frank G3ZMF, we also received a visit from Derek

G6MFM. I did not recall seeing anyone else from CATS prior to me leaving the site.

Regarding the North East Surrey Contest Group, it would seem inevitable that, at some time, clubs would struggle to field their own teams.

Observations that I made based upon chats with regular stalwarts of SRCC were, that for whatever reason, there was not the same commitment to the cause. Was this because SRCC had lost their identity for the entry? My only criticism of the event was that I felt that each of the stations run by the respective clubs, were too insular and there was hardly any effort for the members of each club to mix. I have already touched on the messing arrangements (difficult to plan mass feeding when you don't know who's coming) but in general I think there could have been a greater team spirit. Please don't get me wrong, the joint entry was a great idea and I for one will support it again next year if it is planned to go ahead. If there is a debriefing meeting, I will do all I can to attend it. I shall wait with interest to see what happens and to see how well the contest group did.

I would like to express my thanks to our friends at SRCC for inviting CATS to take part in the contest and for the Addiscombe club for providing their resources and in particular the superb generator that more than catered for the demands of all the stations.

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Fortunately, by Sunday lunch time the G8JAC flu had abated and both he and M3JXN were on hand to dismantle and store away our mast and to give a hand with the very rapid clearing of the site. It's amazing how quickly everything comes down compared to the speed of going up! The squally rain giving a sense of urgency to get away. On the bright side, it was considerably warmer than the last time we used the site back in March!

Put your shirt on it

Most members have the CATS sweat shirts from a few years back, and because they are sometimes a bit too warm for summer wear and some have been worn so much they are starting to look a little washed out, we are launching a project to buy enough lightweight polo-style shirts to provide one for each member and provide a small stock. The shirts will carry the CATS logo and can be additionally personalized with a name, callsign or both. Quotes are being sought from embroidery companies to find the best value and a form will be sent out in the next week or two so that members can confirm their required size and personalization details.

Field Day California-style

For the Annual ARRL Field Day event this year, CVRC joined forces with GEARS, the Glendale Emergency Amateur Radio Service, which is a voluntary organisation somewhat like our own RAYNET and which supports the official agencies in the city of Glendale. When the CATS party of G8JAC, G0KZT and G4RWW visited their 2006 Field Day, we saw just how closely the organisations work together and the facilities that they have. Because of the combined efforts of both groups, and the GEARS connection to the City of Glendale, they were able to hold the first Field Day at a public park and to be able to stay at the park overnight.



Here is a view from across the park to the parking lot that they used for FD. They even utilized the lamp posts for anchoring antennas!

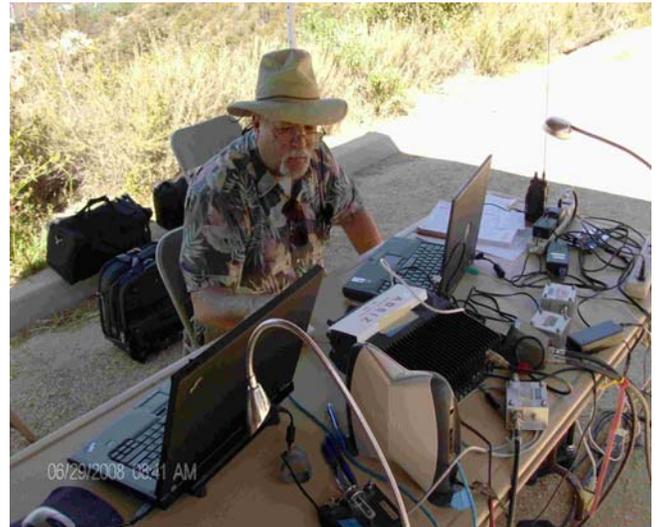


2 meter, 6 meter, and ATV station.
Dennis, Eric, and Matt KI6KGY.



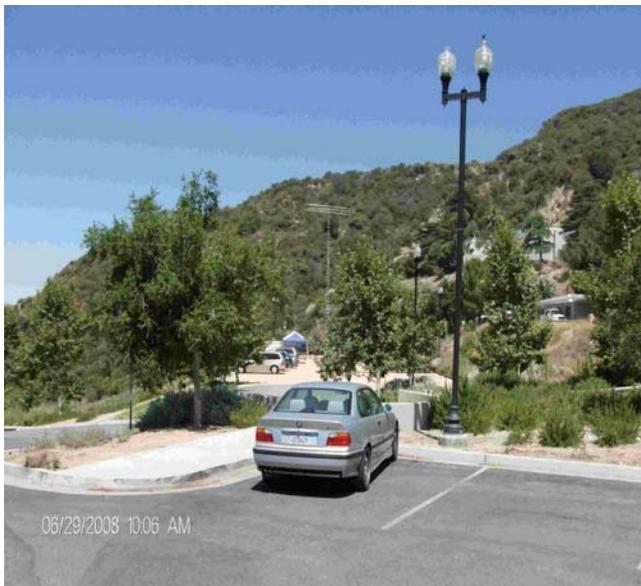
This was the phone station set up. Just to the left out of the picture was the beginning of 2 sloping dipoles, end to end for this station and the digital station, terminating in the upper right of this photo at a huge water tower. Now that's what you call a camper van!

Why wasn't our sky like that for NFD?



Larry AD6IZ, seen here working PSK31. Larry was in charge of the computers, one for digital work, and 2 others used for logging using the KO6TD logging program. Pictured is a wireless router that set up the network between the two stations.

Regrettably, man who did so much work to gain the use of the park, Jim KE6URZ was unable to take part because of undergoing back surgery. We wish him a speedy recovery.



A 60ft portable tower with a 3-element beam for 20, 15 and 10 metre operation, complete with rotator, can just be seen in the parking lot. The view here is from across the park, East looking West.



Running a "green" station. These 2 panels kept the batteries charged up just fine using the abundant California sunshine. Each station had separate batteries to reduce the cables on the ground. Under the Field Day rules, extra points are gained for using solar power.



Current Crescenta Valley Radio Club President Leah KE6MMU and Mark, KF7YAN working the phone station.

They ran 100 watts from this station this year, and had several reports of good signals.



The park was once owned by a French wine maker, but has since been sold to the City of Glendale. The grapes growing here looked to be getting ripe soon, and a sign reads "please do not pick the grapes, we hope to make wine some day"

Altogether, CVRC had about 40 members and wives stop by during the weekend. They also had about 20 people enjoying the park asking what was going on, and two couples from another Club come by to lend support.

Thanks to Mark KE6ZRP for the photographs and information.

4m goes East and South

Activity on four metres tends to be limited to an occasional chat on the Wednesday evening net for most CATS members, using something converted from the PMR world such as the widely used Ascom transceivers. 4m used to be known as the "British Band" because we were one of the few countries to have an allocation around 70MHz. Consequently, there is little or no commercial amateur kit fitted with 4m because to do so would be uneconomic in mass produced kit although mention must be made of conversions by Martin Lynch to provide factory approved conversions to add the 4m band to some rigs.

This may change as more European countries grant amateur access to the band although, not always very well co-ordinated in terms of frequencies that are allocated.

Frank G3ZMF draws our attention to the fact that some eastern European countries have allocations between 70.50 and 70.70MHz and can be heard at strength when conditions are favourable and give the potential for split or cross-band contacts.

Portugal has recently granted its amateurs limited access to the 70MHz band. The two sub-bands from 70.167 to 70.2125MHz and 70.237.5 to 70.287.5MHz are available for a limited time at 100 watts ERP.

CATS on the Web

Taken a look at the new improved CATS web site yet? There's loads of new information on there thanks to the efforts of Steve G3WZK. Copies of *CATS Whispers* are available on the site but we have taken the precaution of removing personal information such as telephone numbers and email addresses from the web version.

What can you remember of the formation and history of CATS? G3WZK would like to put a potted history on the site and would be pleased to receive critical dates and events in the society's history. We would also like to assemble a list of all the people who have been members during the life of CATS.

For Sale & Wanted

This facility is available to all CATS members (and non-members subject to approval) to advertise items they have for sale or are looking for. Submit all items to the Editor G8JAC.

Local Rally & Event Calendar

13th July McMichael rally & boot sale.

Reading Rugby Football Club
Holme Park Farm Lane
Sonning lane, Sonning on Thames
Reading, RG4 6ST

<http://www.radarc.org/MMRally.htm>

27 July - Colchester Radio Amateurs rally and computer fair.

St Helena School, Sheepen Road, Colchester, Essex CO3 3LE. Details from M1AMI, 07766 543784

10 August Flight Refuelling ARS annual Hamfest. Merley, near Wimborne, Dorset.

Note: this year there will be extra tables devoted to telephones and telephony.

24 August (August Bank Holiday weekend) Milton Keynes ARS 50th Anniversary Rally at Holne Chase School, Buckingham Road, Bletchley, MK3 5HP.

National Grid Ref: SP861332

Opening time: 9:00 a.m., Visitors' entry fee £2

On-Site Catering. Morse Tests Available.

See www.mkars.org for further details or Telephone Mike G3LFR: 07973 264473

Kempton Park Rally

Confirmation of the date in early November is still awaited. CATS will be running the ever-popular Bring & Buy stall as usual.

16th November CATS Bazaar at the Scout

Hall, Lion Green Lane, Coulsdon.

Make sure this date is in your diary!

Special Event station

Located at the biggest military vehicle show in the world (at least, outside Iraq!), the annual War and Peace show at The Hop Farm at Beltring in Kent (near Paddock Wood). **GB4WP** will be operational from the show from 16th to 20th July with several ex-service and Royal Signals operators guest operating. If you attend the show to see this unique gathering of over 3000 military vehicles ranging from 65 ton main battle tanks to bicycles, drop in and see them. CATS members M1CCF, G8JAC and M3JXN will be on site.

For more information on the show go to:

www.thewarandpeaceshow.com/

Other Club News & Contact Information

BROMLEY & DISTRICT ARS

Website – www.bdars.org.uk
Email bdars-news@talk21.com
3rd Tuesday at Victory Social Club, Kechill
Gardens, Hayes, Kent
7-30pm for 8pm

Crystal Palace Radio and Electronics Club

Meets on 1st Friday of every month at 7.30pm at
All Saints Church Parish Rooms, Beulah Hill.
Club Net – Wednesdays 2000hrs 145.525 MHz
www.qsl.net/g30ou/

1st August – On-the- air evening.

CRAWLEY ARC

www.carc.org.uk
Club Nets –
Tuesdays 2000hrs 145.550 MHz
Fridays 1900hrs 1.970 MHz
Every Wednesday at Hut 18 Tilgate Forest
Recreational Centre, Tilgate Forest, Crawley
from 7-30pm, and Sundays, 10.30 until 13.00.

DORKING & District RS

Club Nets –
Sunday 0815hrs 3.770 Mhz
2030hrs 144.775 MHz
Meetings are held at the Friends Meeting House,
Butterhill, South Street Dorking at 1930hrs.
Contact: Walter Blanchard G3JKV
Email: wb@g3jkv.co.uk
Web site:- <http://www.ddrs.org.uk>

HORSHAM ARC

Club Nets –
Saturdays 2130hrs 144.725MHz
Sundays 1000hrs 3.722 MHz
Meetings: 1st Thursday at The Guide Hall,
Denne Road, Horsham, Sussex.
Latest news – www.harc.org.uk

31 July – HARC Fox Hunt

MID SUSSEX ARS

Club Nets –
Sundays 0800hrs 3.740 MHz
Sundays 1100hrs 145.350 MHz
Wednesdays 2000hrs 145.350 MHz
Daily 1330hrs 21.330 MHz
Every Friday at Cyprus Hall, Cyprus Road,
Burgess Hill, West Sussex for 7.45pm
Info – www.msars.org.uk

MITCHAM & DISTRICT ARS

(G3HFY) – Last Wednesday of each month
1930hrs at ATC HQ, Commons West,
Mitcham.
Details Mike Knott GØ WCR 020 8764 4716

REIGATE ATS

Club Net –
Thursdays 2000hrs 145.500 MHz Sundays
2000hrs 3.740 – 3.760 MHz
Website www.qsl.net/rats
Email rats@qsl.net
3rd **Thursday** at RNIB, Redhill College,
Philanthropic Road, Redhill for 7-30pm
Note change of meeting day

SRCC

Ray Howells G4FFY 020 8644 7599
Club Nets –
Sunday 0930hrs 29.111 MHz
Friday 2030hrs 144.325 MHz
Thursday 1900hrs 145.500 MHz
Website – www.g3src.org.uk
Meetings: 1st & 3rd Mondays at Trinity School,
Shirley Park, Croydon CR9 7AT 7.45pm for 8pm

1st September - Software Defined Radio by Martin G3OQD

SUTTON & CHEAM RS

John Puttock GØ BWV 020 8644 9945
Club Nets –
Monday 20.00hrs 145.500 MHz
Saturday 11.00hrs 145.500 MHz
Website – www.scrs.org.uk
3rd Thursday at Sutton United Football Club, The
Borough Sports Ground, Gander Green Lane,
Sutton. 7-30pm for 8pm.

17th July 2008 THE MKARS 80 TRANSCEIVER PROJECT
by Steve Drury - G6ALU

THAMES VALLEY A.R.T.S.

Trevor Farris MØ CDB 013 7245 767
Club Net Only – G3TVS
Saturdays 1400hrs on 40m

WIMBLEDON & DISRICT ARS

Website – www.gx3wim.org.uk
Club Net – Mondays 2045hrs 145.500 MHz
2nd & last Friday of each month at
Martin Way Methodist Church, Buckleigh
Avenue, Merton Park SW20. 7.30pm for 8pm.

11 July - Metal bashing, painting & finishing and use
of the C.R.O. by Bob G30OU

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