



SURREY RADIO CONTACT CLUB

August 2007 – No: 779

CLUB NET 1.905 MHz Sunday 9:30am
CLUB Natter Channel: 144.215 MHz Daily 8:30pm

CLUB Internet WEB Site:
<http://www.g3src.org.uk>

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MONTHLY MEETINGS 1ST AND 3RD MONDAYS 7.30 FOR 7.45pm

August Meetings at Trinity School, Shirley Park, Croydon CR9 7AT

"A" MEETING 6th Aug 2007 MEMBER's EVENING – Robert M1MRS & Gareth G4XAT

"B" MEETING 20th Aug 2007 FIX-IT, ADVICE, CHIN-WAG, CLUB STATION + "MOVE-IT-ON"

Chairman & Club Meetings	G4FDN Pat McGuinness	020-8643 0491
Vice-Chairman	G4WAY Roger Holyoake	020-8689 7089
Treasurer, Liaison & Equipment	G4DDY Maurice Fagg	020-8669 1480
Secretary, Membership & Communications	G4FFY Ray Howells	020-8644 7589
VHF Co-ordinator (Co-Opted)	G8IYS John Simkins	020-8657 0454
Publicity & HF Co-ordinator	M1MRS Robert Shepperley	020-8687 0811
Technical Topics	G4XAT Gareth Evans	020-8462 2837
Members	G3RJW Graham Marshall	020-8647 1186
	2EOUY Peter Sutton	07974 296045

Dear Members & Friends

Hello and welcome to the August 2007 Newsletter which I am writing after the horrendous deluge on Friday 20th July. Where I live is at the bottom of a hill and a torrent of water just poured down it and we at the bottom had to contend with a "river" of fast flowing water. I was not at home at the time but was informed of the "swimming pool" on the green opposite by my neighbour and the foot of water in my front garden. When I did get home there was a tide mark around the property showing that it just stopped short of my front door – so lucky. However my garage had been flooded and anything on the floor has been soaked . . . Trust none of you were affected?

For both of our August meetings we are to continue to use rooms at Trinity School. The "A" meeting on Monday 6th August will be a Member's Evening where Robert M1MRS and Gareth G4XAT will be giving us a couple of short talks. The other meeting this month will be the regular "Fix-It" and "Move-It On" Meeting on Monday 20th August. Please note we are starting earlier at 7:45pm as we need to be out of the premises by 10pm.

NEXT "A" MTG: Monday 6th Aug 2007: 7.45pm Member's Evening - Trinity School

Monday 6th August will be a member's evening. We first welcome Robert M1MRS who will be bringing along a special Air-band receiver which has a LCD display displaying aircraft movements around our local airports. He will be explaining how it works and giving a live demonstration.

Secondly, we welcome Gareth G4XAT who will be giving an update on their new car for Greenpower Racing F-

24-TSR-4. Gareth will also be giving an insight to engine management Wideband O₂.

NEXT "B" MTG: Monday 20th Aug 2007: 7.45pm FIX-IT, Advice, Chin-Wag & "MOVE-IT-ON"

The "B" meeting on Monday 20th Aug at Trinity School is the regular "Fix-It" and advice evening with the extra twist. If you have a radio item or anything else that you just wish to clear out then bring it along - you never know it may be just what another member is looking for! Last month Pat G4FDN kindly put on a PSK31 demonstration.

The Fix-It section has proved very interesting and successful so please bring along that item that has been giving you grief - rigs, PCs, whatever! The collective heads at the meeting usually come up with something.

Trinity School Location Details:

I repeat the link given by Gareth G4XAT for finding Trinity School:

<http://maps.google.co.uk/maps?near=cr9+7at&q=maps&f=p&btnG=Search+Maps&rl=1>

Gareth also wrote: On the presented page click Satellite, then zoom in 4-6 clicks. It shows the site as a building site (when they were building the new bit) but the car parks are the same and the entrance is arrowed, up the steps. Entry to the site can be from the Addiscombe road, one arrow, or off the Shirley Road, short second arrow. If you miss the Addiscombe road entrance, you can go around the roundabout or up the dual carriageway, round the roundabout at the top and so on. I'm sure it will make sense on the night.

LAST "A" MEETING: Monday 2nd July 2007 CONSTRUCTION CONTEST

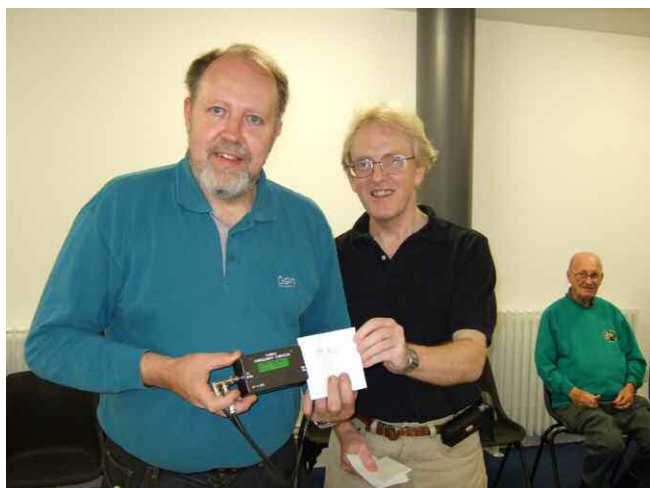
This was our first meeting at Trinity School and we had an earlier start at 7.45pm. We thank Gareth G4XAT for making all the arrangements but he and his family were not able to make the evening due to Greenpower commitments (See Gareth's THKC). We didn't know the room being used in advance so there was a problem in finding it – signage has been proposed. It's known as the Foyer Room, and offers very nice facilities – great for bringing speakers to. Do you agree for us using Trinity – please let us have your thoughts.



1st Prize to John G8IYS – 4m Transverter



2nd Prize to Maurice G4DDY – Steam Engine



3rd Prize to John G8MNY – PIC Counter



John's G8IYS winning 4m Transverter

THE CALENDAR SECTION

SRCC and Local Club Meeting Dates:

27 th Jul – 5 th Aug	W&DARS 5 th Annual Summer Camp – Crossways Farm, Crossways Lane, Upper Gatton, Reigate RH2 0TX. If you are travelling by public transport there are buses from Epsom and Sutton stations. The bus stop is just past the junction (roundabout) with Babylon Lane on the A217 about ½-mile from the site. Details: Jim M0CON on 020-8874 7456 http://www.gx3wim.org.uk/wiki/index.php/Summer_Camp
2 nd Aug	Sutton & Cheam RS – 'Natter Night'. Meetings @ Vice Presidents Lounge, Sutton United Football Club, Gander Green Lane, Sutton –8pm. Sec: John G0BWV 020-8644 9945 www.scrs.org.uk
3 rd Aug	W&DARS – Summer Camp BBQ (details above)
3 rd Aug	Crystal Palace: Making your own PCBs & On the Air Activities @ All Saints Church Parish Rooms, Beulah Hill from 7:30pm. Bob G30OU 01737 552170 (Meet monthly on 1 st Friday) http://members.aol.com/rfcburns
6 th Aug	Member's Evening – Trinity School
13 th Aug	CATS: Annual Summer BBQ at QTH of Prue G4RWW – Meetings normally held @ St. Swithun's Church Hall, Grovelands Rd, Purley 8pm 2 nd Monday's. Contact Andy Jackson G8JAC on 020-8651 2727 g8jac@btinternet.com
16 th Aug	Sutton & Cheam RS – 'The History of Decca' by Peter Skinner G7MLJ. Meetings @ Vice Presidents Lounge, Sutton United Football Club, Gander Green Lane, Sutton – 7.30 for 8pm. Sec: John G0BWV 020-8644 9945 www.scrs.org.uk
20 th Aug	Fix-It, Advice, Chin-Wag, Move-It-On
21 st Aug	Reigate Amateur Transmitting Society. Main meeting 3 rd Tuesday's at RNIB, Redhill College, Philanthropic Road, Redhill 7.30pm. www.qsl.net/rats or rats@qsl.net
21 st Aug	Bromley & District – Meetings normally on 3 rd Tuesday's @ Victory Social Club, Kechill Gardens, Hayes – 7.30 for 8. Paul M3PGW bdars@greenwand.net or www.bdars.org.uk
28 th Aug	Dorking & District Radio Society – G3JKV's Fish & Chip Supper and Junk Sale – they normally meet on 4 th Tuesdays @ Friends Meeting House, Butterhill South Street, Dorking – opp. Spotted Dog. Details: Walter Blanchard, G3JKV on 01306 884359 wb@g3jkv.co.uk
29 th Aug	Mitcham & District ARS (Meetings normally last Wednesday of each month) @ ATC Headquarters, Commonsie West, Mitcham. Sec: Mike Knott G0WCR 020-8764 4716
31 st Aug	W&DARS – Feedback from Summer Camp led by Eric G0KRT @ Martin Way Methodist Church, Buckleigh Avenue, MERTON PARK SW20 9JZ – 7.30 for 8pm 2 nd & last Friday's Details: Jim M0CON on 020-8874 7456 http://www.gx3wim.org.uk/
17 th Sep	Evolution of British Army Radio from WWII to Clansman with Andy G8JAC
1 st Oct	Autumn Surplus Equipment Sale

SRCC Meetings indicated in BOLD with venue of Trinity School

Rally Calendar, etc:

12 th Aug 07	Flight Refuelling ARS HAMFEST , Wimborne, Dorset. Details: http://www.frars.org.uk/
26 th Aug 07	Milton Keynes ARC Annual Rally Holne Chase Primary School, Buckingham Road, Bletchley MK3 5HP. http://myweb.tiscali.co.uk/mkars/Rally.htm
14 th Oct 07	Rusty Radios Rally Cottered Village Hall, near Stevenage, Herts. http://www.rustyradios.com/
4 th Nov 07	West London Radio & Electronics Show , Kempton Park www.radiofairs.co.uk
18 th Nov 07	CATS 2007 Bazaar

VHF NFD WEEKEND: Sat 7th/8th July @ Field-Day Site of Nore Hill, Warlingham

May I start with many thanks for all of those who participated in this weekend, including members of neighbouring clubs, and those of you who worked our stations. We were located in the field that we used last year along the Limpsfield Road.

At the last minute John G8IYS was unable to supply the equipment for the proposed 4m station when the driving transceiver went down (full scale S-Meter on receive and no signals). The decision was taken to drop our 4-metre entry and go back to 23cm which John G8MNY was luckily able to oblige.



Friday Evening – 2m (Alun G4WGE) - 23cm in the distance

Arrival on site started on Friday afternoon and the 2m and 23cm aerials were up by the evening. We were very lucky to have a dry spell over the weekend and that the field was well drained so we were untroubled by the weather. Unlike our neighbours Crawley and RATS who decided to go back to their Suffolk site rather than the Folkestone one. It was while they were towing a tower onto the site and reached some 80yds off the hard standing that the Land Rover jumped out of low ratio and came to a halt.

Some three hours of trying to use every device they knew to get it out of the mud proved to no avail. Only the arrival of a very large tractor, whose wheels also span, saved the day and dragged the land rover out backwards. They tried to regroup the following day but came to the sad conclusion that the site conditions were just too awful for people to operate safely or enjoyably.

However, we were not without our problems when the 2m signal was breaking through the 70cms transmit line and fully modulating the 70cm output signal. Jim G4WYJ came to aid with the loan of a FT897 and when Andy G0KZT came up in the evening he brought his TS2000 which boosted the output to 40W or so.

Activity was well down on last year, a lot of this due to many stations unable to get to their sites. On 6metres an opening to the USA enabled a couple of W's to be worked. It will be interesting to see the adjudicated results in due course. I note the 2m score is very respectable.

Well done everyone involved and here's to next year – hopefully! We need an injection of new blood (younger?) to keep going!

Below are the claimed scores alongside last year's:

	2006		2007	
	QSOs	Claimed	QSOs	Claimed
6m	75	54495	73	27915
4m	--	-----	--	-----
2m	289	63282	313	60002
70cm	125	25815	84	11341
23cm	45	8947	34	5474



Time for Fish and Chips on 23cm – John G8MNY



6m with Maurice G4DDY, David G0PAR & John G3BFP



70cm with Andy G0KZT

The CHAIRMAN's BLOG - Aug 2007



The first thing that comes to mind this month is to ask all club members, if they have not done so already, to feedback their impressions on our trial meetings at Trinity School. All the comments I have heard directly have been positive so far. If we are to continue to have further meetings there, and I think we will, we will need to cater for casual visitors to ensure that they can find the meeting

room easily. The meeting room was quite warm for several people, but I guess this will be a benefit on cold winter evenings.

The construction contest on the 'A' Meeting had some good entries but the absence of the Evan's family was particularly noticeable. At the 'B' Meeting Gareth managed to erect a 20m dipole on the roof and drop the feeder down through the skylight and we were able to check out the activity on PSK31. Reception on a loaded mobile whip in the meeting room gave no signals whatsoever indicating how well screened the room is.

I will miss the August club and committee meetings as this coincides with the family holiday to Ireland. I will be on the air from counties Mayo & Sligo with the call E12JW. I'm aiming to be on 20m, 40m, and 6m. Operating will mostly be in the evenings but some morning operation is also possible depending on family activities. I'm also hoping to drop in on one of the Mayo Radio Experimenter's club meetings.

On the subject of future meetings we have been able to secure Colin Richards, G3YCR, for a talk on EMC in November. We still have some vacant slots in our meetings calendar so I'm always grateful for suggestions on speakers and topics.

Hope to catch up with you on the air or again at the club in September - and I hope August is a little drier than June and July!

73, Pat G4FDN

18th Jul 07th

Thoughts of our Hayes, Kent Correspondent



August 2007: A busy June turned into a frantic July as we embarked on a 3 day motor sport extravaganza at Rockingham Raceway near Corby. Tuesday 3rd July saw us competing in the new Midlands heat for Greenpower F-24 using the outer oval of the excellent Rockingham Motor Speedway. With the all new TSR-4 shaken down it was another opportunity for a 1-2 for the team and we were not disappointed.

The ever reliable and fully sorted TSR-2 took an early lead and TSR-4 slotted in behind it as we took the opportunity to train the drivers with the 14 gears to choose from and a new digital dashboard to contend with. Designed to give you a window where the car should be kept (orange LED) if you are pushing too hard an ever greater number of red leds come on and if you are not pushing you get a green, suggesting that you change up a gear.

It worked well as the data logs show but we need to (a) finish the aerodynamic bodywork and (b) think carefully about our switching points. As it is all in software it's easy to change the latter. In the last ½ hour TSR-2 picked up a bit of broken car from another team and this damaged the front suspension mounting, sufficient to slow us by a puzzling nothing up to 1 minute per lap extra. TSR-4 finished first, 12 miles ahead of the third place car and 3 miles ahead of TSR-2, so we were happy - our second 1-2 of the season.

The next two days were taken up with the Shell Eco-marathon and we had five cars entered, taking advantage of the new solar class. The Strident Trident was running on FAME (bio-diesel, Fatty Acid Methyl Ester) and it smelt like it too (chip fat!!)!! It managed a best of 418 mpg. My Mouse that Roared was running on Bio-ethanol and delivered a best of 742 mpg (this is for a road legal single seater!!) thanks to my new wide-band oxygen sensor allowing me to tune it up par excellence and Reuben developing a better route

around the circuit. On LPG (also tuned up a bit), that improved to 589 mpg, up from 410 mpg last year.

What a difference a tune up makes!! It will be running injection next year and we are aiming for over 1,000 mpg! Now that has got to be a Guinness Book of Records entry! Meanwhile we had fixed TSR-2's front suspension damage and re-tracked the car but found we had a disc brake problem. We decided to concentrate on TSR-4 as it was quite likely to be a better performer. We fitted on one of Shells "Joule" meters into our motor circuit and sent the car off, running at an average speed of 15 mph rather than the somewhat speedier 28 mph average it is capable of, we achieved a best of 2,925 mpg based on the energy used equating to the same amount of petrol equivalent energy.

Now you can see how inefficient a petrol engine is, as our 31 cc powered car could only manage 1350 mpg, slightly shy of the 1426 it managed last year. Conditions were pretty awful though, with wind being fast and variable, making it very hard for the drivers to optimise their lap times. It was good enough for third place in the school category though and as usual all of our cars completed the maximum allowed 6 runs, showing that we had at least cracked any reliability issues. As the event finished the heavens opened and we drove home in similar conditions, tired but bearing three trophies, two from Greenpower (1-2) and a 3 from the Shell event. We got an appropriate mention in the end of term despatches too, and now I'm on holiday, having a rest..... See you at the August meeting.....

Gareth, G4XAT

20th Jul 07th

Web-Site of the Month

From Charles MOBIN this month take a look at:

Bandwidth and Speech Intelligibility:

http://www.polycom.com/common/documents/whitepapers/ef_fect_of_bandwidth_on_speech_intelligibility_2.pdf

Fair-Rite web site:

<http://www.fair-rite.com/>

Ferrite Balun Cores:

http://www.amidoncorp.com/aai_multiaperture.htm

Ferrite Balun Cores:

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

Regenerative Receivers:

<http://g4oep.atspace.com/regen/regen.htm>

SIGNING OFF:

I think that is it for this month - if I have missed anything I give my apologies and hopefully remember it next time.

Our main meeting on August 6th is a member's evening with Robert M1MRS and Gareth G4XAT; and the "B" meeting is on August 20th - details at the beginning of this Newsletter. Both these meetings are being held at Trinity School and we are starting earlier at 7.45pm in order to vacate the room at 10pm sharp.

This newsletter has been produced early as I am taking a 10-day holiday in Switzerland doing the Glacier Express Revisited Great Railways holiday - see:

<http://www.greatrail.com/holiday.asp?holiday=197>

Ray G4FFY

73 and 88

Posted: 26th Jul 2007

SRCC Subscription Renewal Form August 2007

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