



# SURREY RADIO CONTACT CLUB

**FEBRUARY 2006 — No: 761**

CLUB NET 1.905 MHz Sunday 9:30am  
 CLUB NET 144.325 MHz Friday 8:30pm  
 CLUB NET 145.500 MHz and Down Thursday 7.00pm

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

Hon. Sec. Ray Howells G4FFY  
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 SUTTON  
 Surrey SM1 3LD  
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**MONTHLY MEETINGS 1<sup>ST</sup> AND 3<sup>RD</sup> MONDAYS 7.45 FOR 8pm**

Normally AT THE T.S. TERRA NOVA, 34 THE WALDRONS, SOUTH CROYDON, CR0 4AZ

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**"A" MEETING 6<sup>th</sup> Feb 2006 Life and Times of Early Television with Jon GOGNA**

**"B" MEETING 20<sup>th</sup> Feb 2006 FIX-IT, ADVICE, CHIN-WAG, CLUB STATION + "MOVE-IT-ON"**

Chairman	G4XAT Gareth Evans	020-8462 2837
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
Club Meetings	G4FDN Pat McGuinness	020-8643 0491
Members	G3RJW Graham Marshall	020-8647 1186
	G8TB Bernie Wynn	020-8660 7517

## Dear Members & Friends

Hello and welcome to the February 2006 newsletter which I am composing in early February following a busy spell including completing my online tax return and paying the tax man some money (!), submitting the entry for AFS 80m CW, and cleaning up yet more computers infected with spyware, etc. To do this I have come across a couple of useful tools in the form of Ewido and ActiveScan from Panda Software, not forgetting the usual tools of HiJackThis, SpyBot, SmitRem and Killbox.

My recent PSA check was a similar small result and I'm having a further check in early March. If this is the same, or has increased, then more than likely will need some radio Therapy. Mary, unfortunately, is still on bed rest though now awaiting the delivery of a couple of new in-chair slings in the next couple of weeks. This will allow the safe transfer of Mary from bed to wheelchair and then able to leave the sling in-situ for use in the evening.

The SRCC meetings for February start with the "A" meeting on Monday 6<sup>th</sup> February when we welcome Jon Weller GOGNA for a talk and presentation entitled "Life and Times of early Television"; with the "B" meeting on Monday 20<sup>th</sup> February, more on these below.

**NEXT "A" MEETING: Monday 6<sup>th</sup> Feb 2006  
 Life and Times of Early Television with Jon Weller GOGNA**

On Monday 6<sup>th</sup> February we have the pleasure of welcoming Jon Weller GOGNA for a talk and presentation entitled "Life and Times of Early Television".

Following the sad death of Ray Herbert G2KU last year the committee decided it would be appropriate to dedicate

this February's meeting to the memory of Ray. We are appreciative of Jon GOGNA being able to give us a presentation next Monday who had some dealings with Ray G2KU regarding early television.

Included in Jon's talk will be material we have not seen before and he will be showing some original recordings and artefacts from the birth of television. He will also include some items and anecdotes about Ray G2KU.

This will be an evening not to miss and we look forward to a large turnout to support the efforts of Jon GOGNA.

**NEXT "B" MEETING: Monday 20<sup>th</sup> Feb 2006  
 FIX-IT, Advice, Chin-Wag & "MOVE-IT-ON"**

The "B" meeting on Monday 20<sup>th</sup> February 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!

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

**LAST "A" MEETING: Monday 9th Jan 2006  
 From 50Hz to 2GHz with Peter Burton G3ZPB**

This meeting was well attended demonstrating the high interest in the Part "P" regulations that Peter covered as the major part of his talk (the 50Hz bit). This concerned the changes to the Building Regulations which cover "Domestic Electrical Installations" and Peter needed some time after the tea break to complete this section of his talk before briefly describing the "2GHz" topic.

Peter's talk on Part "P" described the regulations and how they applied to us BUT it was his interpretation. Below is some of his presentation:

**What is Part "P" ?:**

- Part P = one part of the Building Regulations 2000 for England and Wales
- Apply to electrical installations – now !!
- BS 7671: 2001(2004) – 16th edition Wiring Regulations
- Other "parts" cover structure, fire safety, ventilation, disabled access etc

**What does Part "P" apply to:**

- Electrical work
  - In a dwelling
  - In the common parts of a multiple dwelling
  - In a building that receives its electricity from a source within a dwelling or common supply
  - In a garden or on land associated with a dwelling including outbuildings

**Why:**

- Faulty electrical installations cause every year:
  - 10 deaths
  - 750 serious injuries
  - 12,500 house fires

**What work can you do?:**

- Only "Non-notifiable minor work"
    - Replacement on a "like-for-like basis" of switches, sockets and fittings
    - Replacement of a single cable (same type and route)
    - Addition of extra light fittings to an existing circuit
    - Addition of extra sockets or fused spur to existing ring
    - Installing additional earth bonding
  - **EXCEPT** if in a "special location" e.g. kitchen, bathroom, shower room, swimming pool etc.
  - BUT it must still comply with Part P
  - It must still comply with BS 7671 (wiring regs)
  - It must still have the inspection and testing carried out\*
  - It must still have a "Minor Works Certificate" issued\*
- \* Must be done by a "Competent Electrician" e.g. NICEIC

**Some of the Regulations:**

- Cable size
  - 1.5/1.0mm for lighting circuit
  - 2.5/1.5mm for socket outlets
  - See end of Newsletter for the new colours
- Cables through joists
  - Max hole dia = 0.25 x joist depth
  - Holes in zone 0.25 to 0.4 x span
  - Holes minimum 3 x diameters apart
  - Max notch depth = 0.125 x joist depth
  - Notches in zone 0.07 to 0.25 x span
- Cables in walls
  - If less than 50mm deep, either
    - o Enclosed in earthed metal conduit
    - o Vertical or horizontal within 150mm of top or corner
    - o Vertical or horizontal direct to accessory
- Use next cable size up if in >5cm thermal insulation

Peter went on to describe what a "Domestic Electrical Installer" can do after appropriate training and qualifying:

- Almost anything in terms of replacement
- Installation of new equipment including those in "special locations" e.g. kitchens, bathrooms & shower rooms
- Installation of additional fittings
- Re-wire of property
- Self-certification (or notify local Building Control)
- Only domestic property
- Not test and certify existing installations (except "Minor Works" as previously detailed)

The Future – well it's the Seller's Pack – or more correctly the "Home Information Pack", voluntary after July 2006, probably compulsory after June 2007.

A "home inspection" will cover wide range of items including an electrical installation test (and also such items as drainage, dampness, roof, walls etc.)

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If you are thinking of becoming a "Competent Domestic Installer" then its attendance at a course for 12-weeks, 2 evenings a week, costing some £2000 I believe; and then being approved by an accredited body like NICEIC costing some several hundred of pounds when they inspect two installations. One also needs appropriate test gear costing in the order of £600-£800.

A lively Q&A session followed the presentation which included an explanation on RCD's. Maurice G4DDY explained an innovative use of such a device to provide an emergency isolation of power in his workshop. I also noted that the penalties for not following the new regulations can be a fine up to £5000 and/or 6-month jail sentence!!

To conclude the evening Peter briefly described an innovative new tracking and location device being introduced by Hamble Marine Ltd:

(<http://www.hamblemarine.com/tracking/index.html>)

It was the marine version of the product from Turbo Track - the only tracking device available to the leisure boat owner that incorporates "direct-to-map" technology that shows you on a map or chart exactly where your boat is.

As for previous talks, if you navigate to [www.g3src.org.uk](http://www.g3src.org.uk) and click on "Club Talk/Links Page" one will find a copy of Peter's presentation in full. Thank you Peter for an excellent, very interesting and thought provoking evening.

## CHAIRMAN THOUGHT of the MONTH - February 2006



Firstly a belated thanks to those members who kindly dug out and donated unwanted amateur gear for use by my recent crop of Foundation licence holders. Three are on-the-air (plus my two of course) and now have a regular Friday evening net. Retrospectively it did not take a huge amount of organising, not least as Bromley club did all the hard work but the original objective has been far surpassed, i.e. I just wanted more reliable communications and now I have a whole group of keen to learn, experiment and build new amateurs. If this gets read outside the club (well, maybe) then I'd recommend that those youngsters (and perhaps not so young!) with even the slightest interest be directed to their nearest Foundation course. I'm not advocating that every club tries to run the training - it's a huge commitment and we certainly tried but got nowhere. Your own club may not directly benefit from new members, but the hobby will. Therein lies the future - it's a fascinating hobby, promote it where you can, not least in the forthcoming Science week that the RSGB are involved with.

Knowledge is a wonderful thing and although I find that things slip these days (I had to really think about the wiring for a 555 mono-stable just the other day, having not 'used' the information for nearly a year!!) some things don't particularly engage related stuff....I saw an advert in one of my many magazines for a 'Honda Gas generator, £20'. A quick phone-call established that it was still available and from the photo I could see it had a 'standard issue' Garretson gas demand valve fitted, and a gas bottle included! It looked an old unit though but at 1/5 of the price of a new gas valve, I went down the A21 for a few miles to have a closer look. What greeted me was indeed an old unit, on a trolley, apparently ex-local authority, badged 'Kango' and 'Honda'. It is 'so old' that the Honda Engine is a side-valve, so definitely 70's then.

The generator attached was a brushed unit identical to my own diesel unit, except for a little badge that said 110 volt...Oh, the advert didn't mention that. Still, the engine turned over, had a PROPER gas carburettor fitted (no petrol facility at all) so I passed over the money. Once home the plug was whisked out and a fine blue spark was visible on cranking - and this unit had not been run for 20 years!! On went the gas bottle (full, no less) and a blast of priming gas was issued. Some oil was added to the sump and on the 10<sup>th</sup> pull or thereabouts the unit burst into life - no knocks either!! A voltmeter showed 110 volts on the output socket too. How much better could this get?? Lots, read on.....a certain member whilst clearing out some stuff passed a vast transformer to me recently (thanks Graham). Guess what, 2KVA, 0-240 to 0-110-120, brand new. So, I could transform my 110 volts back up to something more useful if I had to, or I wondered, how was the generator wired?? A look inside the connection box showed four wires connected in pairs coming from the alternator body. Guess what, wiring them in series instead of parallel gave me 240 and a tweak on the throttle settled it at 250 volts. So, I now have a running, gas powered 2 KVA generator for £20. The gas demand valve can also do duty on our Chinese clone Honda (Macro special) by the addition of a suitable tapping into the carb. intake - there isn't a lot of room to put in a collar, but if any readers have dimensions especially for a simple pipe arrangement I'd be pleased to hear from them.

My collection of Pye MX294's have now all been aligned (best one gave 0.15uv for 12 db, the rest about 0.3uv which is their actual spec) and were tweaked for maximum 'power-out' at the last B fix-it meeting. Depending on their destination they will either get a PC CPU cooler fan on the heatsink (mine for in-car use) or turned down to 10 watts for obvious destinations. I needed some mics for them and found Garex (<http://www.garex.co.uk/>) offered the best deal so I bought five. When they arrived they were BRAND NEW (ex-military) and at £4.50 each a bargain. They have longer curly-cords than most amateur radios which will be good in my car as the back seat passengers will want to talk too.

On the car front we have recently had some very professional aerodynamic advice and will be starting work on that as you read this. We have also added zigbee to our data logger (and pits), GPS data overlaid onto our on-car camera output (new sponsor,

<http://www.blackboxcamera.com/stv5730a/stv5730a.htm>), into our data-logger and have 5 six hour races to contend this year. Not quite F1 but then I only have a budget of 2K!! We hope to crack both the 40 mph barrier this year (39.9 mph so far) and earn a long overdue 'Platinum' certificate for completing 180 miles in 6 hours. Not bad on 1/3 of a horsepower and 50 pence worth of electricity!!

Finally, please sign up as soon as possible for the annual club dinner so that we can plan appropriately and also consider putting yourself forward for the committee, not least you need a new Chairman this year and although some of the jobs tend to get swapped around, new members are welcome - don't be shy!!

Gareth G4XAT"

## THE CALENDAR SECTION

### SRCC and Local Club Meeting Dates:

3 <sup>rd</sup> Feb	Crystal Palace: AGM & Construction Contest @ All Saints Church Parish Rooms, Beulah Hill. 7:30 for 8pm. Bob G3OOU 01737 552170 (Meet on 1 <sup>st</sup> Friday of each month) <a href="http://members.aol.com/rfcburns">http://members.aol.com/rfcburns</a>
6 <sup>th</sup> Feb	<b>Life and Times of Early TV with Jon G0GNA</b>
10 <sup>th</sup> Feb	W&DARS - "The Rocket's Red Glare" with Len Stuart @ St. Andrew's Church Hall, Herbert Road, Wimbledon - 7.30 for 8pm 2 <sup>nd</sup> & last Friday's Details: Jim M0CON on 020-8874 7456 <a href="http://www.gx3wim.org.uk/">http://www.gx3wim.org.uk/</a>

13 <sup>th</sup> Feb	CATS: Antenna Construction Project for the DF Contest - Meetings normally held @ St. Swithun's Church Hall, Grovelands Rd, Purley 8pm 2 <sup>nd</sup> Monday's. Contact Andy Jackson G8JAC on 020-8651 2727 <a href="mailto:g8jac@btinternet.com">g8jac@btinternet.com</a>
16 <sup>th</sup> Feb	Sutton & Cheam RS - SSETI Express - Lesson Learnt with Dave Bowman G0MRF. Meetings @ Vice Presidents Lounge, Sutton United Football Club, Gander Green Lane, Sutton - 7.30 for 8pm. Sec: John G0BWV 020-8644 9945 <a href="http://www.scrs.org.uk">www.scrs.org.uk</a>
20 <sup>th</sup> Feb	<b>Fix-It, Advice, Chin-Wag, Move-It-On</b>
21 <sup>st</sup> Feb	Bromley & District - "Contests - Love 'Em or Hate 'Em" with Richard G8ITB - Meetings normally on 3 <sup>rd</sup> Tuesday's @ Victory Social Club, Kechill Gardens, Hayes - 7.30 for 8. Alan G0TLK 020-8777 0420 <a href="http://www.bdars.org.uk">www.bdars.org.uk</a>
22 <sup>nd</sup> Feb	Crawley ARC - Experiments in Radio with Hans Summer G0UPL @ Hut 18, Tilgate Forest Recreational Centre, Tilgate Forest, Crawley - 7.30pm. Sec: Keith G8KZZ on 01403 257788 <a href="http://www.carc.org.uk">www.carc.org.uk</a>
22 <sup>nd</sup> Feb	Mitcham & District ARS (Meetings normally last Wednesday of each month) @ ATC Headquarters, Commonsides West, Mitcham. Sec: Mike Knott G0WCR 020-8764 4716
24 <sup>th</sup> Feb	W&DARS - Picatune Revisited @ St. Andrew's Church Hall, Herbert Road, Wimbledon - 7.30 for 8pm 2 <sup>nd</sup> & last Friday's Details: Jim M0CON on 020-8874 7456 <a href="http://www.gx3wim.org.uk/">http://www.gx3wim.org.uk/</a>
28 <sup>th</sup> Feb	Dorking & District Radio Society - normally meet on 4 <sup>th</sup> Tuesdays @ Friends Meeting House, Butterhill South Street, Dorking - opp. Spotted Dog. Details: Walter Blanchard, G3JKV on 01306 884359 <a href="mailto:wb@g3jkv.co.uk">wb@g3jkv.co.uk</a>
6 <sup>th</sup> Mar	<b>Spring Surplus Equipment Sale</b>
25 <sup>th</sup> Mar	<b>SRCC Annual Dinner - Park Place, Mitcham</b>
3 <sup>rd</sup> Apr	<b>AGM</b>
10 <sup>th</sup> Apr	<b>VHF NFD Meeting @ G8IYS QTH</b>
8 <sup>th</sup> May	<b>Project Constructing Evening</b>
5 <sup>th</sup> Jun	<b>Summer BBQ</b>
3 <sup>rd</sup> Jul	<b>Construction Contest</b>

SRCC Meetings indicated in BOLD with venue of Terra Nova unless otherwise stated.

### Rally Calendar, etc:

5 <sup>th</sup> Feb 06	<b>Canvey Radio Rally</b> - The 21st South Essex Amateur Radio Society Radio Rally is at the Paddocks, Long Road, Canvey Island, Essex. (The Paddocks is Situated at the end of the A130). Doors open 10.30am. Details from <a href="http://www.southessex.ars.btinternet.co.uk">www.southessex.ars.btinternet.co.uk</a>
11 <sup>th</sup> Mar 06	<b>CPREC Spring Sale 10:00am to 1:00pm</b> St John's Hall, Sylvan Road, London, SE19 Entrance fee £1.00 includes one free drink. Under 16s get in free. Refreshments available. They are now taking orders for sellers tables at £6.00 each (for sellers doors open at 8am) <a href="http://members.aol.com/rfcburns">http://members.aol.com/rfcburns</a>
7 <sup>th</sup> May 06	<b>West London Radio and Electronics Spring Show</b> - Kempton Park. <b>Please note new Date</b> <a href="http://www.radiofairs.co.uk">www.radiofairs.co.uk</a>
18 <sup>th</sup> Jun 06	<b>Newbury &amp; District Amateur Radio Society Boot Sale</b>
12 <sup>th</sup> Nov 06	<b>West London Radio and Electronics Autumn Show</b> - Kempton Park. <a href="http://www.radiofairs.co.uk">www.radiofairs.co.uk</a>
19 <sup>th</sup> Nov 06	<b>CATS Bazaar</b>

### SRCC Club Dinner: 25<sup>th</sup> Mar 2006

The last committee agreed that we should hold another Dinner at the Beefeater Park Place in Mitcham where we have had successful dinners over the past few years. I shall be pleased to take your bookings on a first come first served basis – [secretary@g3src.org.uk](mailto:secretary@g3src.org.uk) - or as per Secretary contact details – thank you.

### CLUB ACTIVITY: 80m AFS 2006

Two members entered the CW event held on Sunday 8<sup>th</sup> Jan with total points of 1760. They were John G8BFP and Bernie G8TB, it's a shame it wasn't more. I have submitted the entry but at the present time I have not had any response.

### Members News

#### - SRCC Sweatshirts and Polo-Shirts

We have agreed a cost of £10 for either a Polo-Shirt or Sweat shirt with your call-sign as part of the embroidered SRCC Logo.



If you are interested let me have your size (S, M, L, XL, 2XL, and 3XL), colour choice of Winter Emerald or Navy, callsign, and how many Polo-shirts and/or Sweatshirts:

Ray G4FFY [secretary@g3src.org.uk](mailto:secretary@g3src.org.uk)

#### - SAD NEWS - Helena Herbert

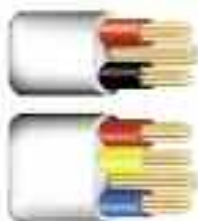
It is with sadness that I advise that Helena, widow of Ray Herbert G2KU, died in Mayday hospital on the morning of Tuesday 21<sup>st</sup> Jan. She had been hospitalized following a fall before Christmas. The funeral was held at the West Chapel Croydon Crematorium on Thursday 2<sup>nd</sup> February at 1 PM. Donations may be sent to St Christopher's Hospice, 344 Limpsfield Rd, Hamsey Green CR2 9BX.

### Single-phase installations

The fixed installation colours of red phase and black neutral are replaced by brown phase and blue neutral, respectively. These are the colours that have been used in appliance flexible cables for many years. The protective conductor is still identified by the colour combination green-and-yellow.

#### Existing

Cannot be used after 31 March 2006



Twin flat  
6242Y

Triple flat  
6243Y

#### New (harmonised)

May be used from 31 March 2004



### FORTHCOMING AGM 3<sup>rd</sup> April 2006

A note to remind you of this important Club meeting, more so since by then our current Chairman, Gareth G4XAT, will have completed his 3-years and has to stand down. So we will need to elect a new Chairman

### LOCAL CLUB NEWS:

#### Wimbledon and District ARS

From 10<sup>th</sup> Mar W&DARS will have moved to a new meeting venue as follows:

Martin Way Methodist Church  
Buckleigh Avenue  
MERTON PARK  
London SW20 9JZ

They will be meeting 2<sup>nd</sup> and last Fridays of the month but the new venue offers lots of free parking. For public transport they are a 5-min walk from South Merton Thameslink station or 3-min walk from bus stops on the 164 (Sutton-Wimbledon) and 413 (Sutton-Morden) routes.

### VHF NFD 2006 - Meeting 10<sup>th</sup> Apr 2006

Following the meeting held last Monday 30<sup>th</sup> Jan 2006, it has been agreed that SRCC will participate in VHF NFD 2006 and hopefully from the same site. It was further agreed that we will operate the same bands as previous i.e. 6m, 2m 70cm and 23cm. We further hope to beef up our 23cm capabilities and possibly use a 1.6/1.8m dish – any offers?

To progress further we have now set the next meeting of the team with John G8IYS for Monday night 10<sup>th</sup> Apr 2006 from 8pm at his QTH of 18 Riding Hill, Sanderstead, CR2 9LN. Please advise John of your intention to attend either on 020-8657 0454 or [johns@connectnet.org.uk](mailto:johns@connectnet.org.uk)

### SIGNING OFF:

That's it for this month, apologies if I have missed anything. Monday 6<sup>th</sup> Feb is when we welcome Jon G0GNA for his talk "Life and Times of Early Television" which I hope you can all make being the meeting dedicated to the memory of Ray G2KU, whilst Monday 20<sup>th</sup> Feb will be the regular "B" meeting.

May I, on behalf of all members, extend our thoughts and condolences to Helena's family at this time of their sad loss.

73 and 88 *Ray G4FFY* Posted: 3<sup>rd</sup> Feb 2006