

RADIO SOCIETY OF GREAT BRITAIN

THE NATIONAL SOCIETY WHICH
REPRESENTS UK RADIO AMATEURS

Founded in 1913 incorporated 1926.
Limited by guarantee
Member society of the
International Amateur Radio Union

Patron: HRH Prince Philip,
Duke of Edinburgh, KG, KT

Membership is open to all those with an active interest in radio experimentation and communication as a hobby. Applications for membership should be made to the Subscriptions Department from which full details of Society services may also be obtained.

General Manager:

Peter Kirby, FCMI, MISM, GOTWW

Honorary Company Secretary:

Rupert Thorogood, G3KKT

Honorary Treasurer:

Dr R Dingle, G0OCB

BOARD OF THE SOCIETY

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Colin Thomas, G3PSM

MEMBERS

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P Brooks, G4NZQ

L Butterfields, G0CIB

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D V Wilson, M0OBW

REGIONAL MANAGERS

G Hunter, GM3ULP - Region 1

D Morrison, GM1BAN - Region 2

K A Wilson, M1CNY - Region 3

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T Bailey, M0KMB - Region 5

M Harper, MW1MDH - Region 6

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P Lowrie, M15JYK - Region 8

A Johnston, G8ROG - Region 9

G Keegan, G6DGG - Region 10

P Helliwell, G7SME - Region 11

P Brooks, G4NZQ - Region 12

J Stevenson, G0EJQ - Region 13

Details of the Society's volunteer officers can be found in the RSGB Yearbook and on the RSGB website.

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Website: www.rsgb.org

Members Area: www.rsgb.org/membersonly

Log-in using your callsign in lower case as the user name, and your membership number (see *RadCom* address label) as the password.

The online *RadCom* can now be found at www.rsgb.org/radcom.

QSL Bureau News

After more than 20 years of handling all of the QSL cards for residents and the scores of visiting amateurs who come year upon year, to enjoy the rarer prefix of Jersey, Reg Allnet, GJ3XZE is stepping down as the islands volunteer sub manager.

The RSGB wishes to convey its grateful thanks for his sterling work on behalf of his fellow amateurs and hopes that maybe now he will have some time to operate! Reg has found found his own replacement and we are delighted to welcome, Michael Brown, 2JOSZI, who has volunteered to take his place. Full contact details are available on the members website, QSL section, where a full list of all sub managers can be found.

Visitors to the Channel islands and the Isle of Man are reminded that UK stamps for the collection of QSL cards are not valid and that it is wise to purchase appropriate stamps for SAE's, during their stay. Cards arriving at the bureau, without a via listing (and many hundreds do) will not be diverted to home addresses.

Calling G8AAA to G8ZZZ Callsigns.

Dave Helliwell has 6,460 unclaimed QSL cards in the need of a good home. The general policy of the QSL bureau is to destroy unclaimed cards after three months – he have been the sub manager for three years now and have not destroyed any – but he is running out of space. If you are one of those 750 people who have not got your envelopes lodged with your QSL sub manager you may have some cards awaiting collection.

Although the QSL bureau is run on behalf of the RSGB, you do not need to be a member of the RSGB to receive your cards via your QSL sub manager. Increasingly he is getting letters saying that people have let their RSGB membership lapse, so have not lodged any envelopes with their respective sub manager – it really does not matter. RSGB membership is only required to *send* cards out via the QSL Bureau. If you do not want to collect cards please let Dave know either by post or by e-mail at dave@g6fsp.com.

If you want to check how many cards he may have, please check his website www.g6fsp.com/qsl. If you need to send some envelopes, please send them to Dave Helliwell, 1 Beechfield Avenue, Barton, Torquay, Devon TQ2 8HU. Please ensure that you use stamps with 2nd (or 1st) on them rather than monetary value – the postage will then remain immune to any increases in postal charges. A C5 envelope is the best size to use – it is classed as a letter and will take all sizes of QSL cards.

5MHz Beacons

For those monitoring the 5MHz beacons a new version of the monitoring program that includes external COM port switching is now available from the RSGB website, see <http://www.rsgb.org/spectrumforum/hf/beaconauto.php>.

National Hamfest

Following a very successful first event, the RSGB and the Lincoln Short Wave Club have announced the date for the 2010 event. Book 1 and 2 October in your diary and come along to the Newark & Notts Showground, Lincoln Road, Winthorpe, Newark NG24 2NY. Both the RSGB and Lincoln Short Wave Club look forward to welcoming even more visitors in 2010. A full report of this year's event will appear in the December *RadCom* and you can see more pictures on page 89.

Despite the 'Indian Summer' coming to an end just as the Hamfest opened, amateurs from as far away as Cornwall and Scotland made the trip to Newark to attend. The LUSO tower place in the centre of the main hall was the middle of attention throughout the two days. Members may be interested to know that the RSGB General Manager, Peter Kirby, GOTWW has acquired the 36m tower on behalf of the RSGB for the new station at Bletchley Park.

Following the show, Luso went to visit another customer on the east coast who has since purchased a tilt-over, rotatable tower – the first one in Europe. We'll be bringing you an article in *RadCom* following the installation of these masts early next year.

The RSGB would like to say a big thank you, not only to those who visited but also the large number of amateurs who worked tirelessly behind the scenes throughout the event.



Safeguarding the future of your RSGB



The RSGB is the lifeblood of amateur radio in our country. It's part of my job to ensure that the next generation of amateur radio enthusiasts can benefit from the same representation through the Society

that some of you have enjoyed over many years. That means the Board must constantly look to the future as a due diligence, in order to protect your Society.

For some time now, we have been considering a programme of modernisation in the membership structure and subscription rates to better reflect our financial circumstances and safeguard the future of the many valuable services the RSGB provides.

Apart from an increase in costs that we have been experiencing, we are also coming to the end of our five-year Business Plan. We feel that it is the right time to introduce the changes that we have been considering – changes that will modernise the membership organisation and make us more efficient and cost effective in many areas, including collecting subscriptions.

RSGB goes to law over PLA dispute with Ofcom

The RSGB continues to take the Power Line Adaptor compliance fight to Ofcom.

Following Ofcom's statement on PLT/PLA on 3 September 2009 and the RSGB's response statement issued on 4 September 2009. The Society has now received a formal reply from Ofcom following the Society's earlier formal complaint to Ofcom regarding non compliance PLA's and Ofcom's interpretation of the EMC Directive regarding these devices.

The RSGB continues to find Ofcom's responses and position totally unacceptable and has recently met with and instructed its lawyers to investigate a legal challenge on the Ofcom position.

The RSGB will continue the fight to protect the radio spectrum against non compliant devices which cause unacceptable levels of interference particularly to the HF bands. We will issue further statements as the case develops.

CHANGES TO MEMBERSHIP CATEGORIES.

The number of membership categories we offer has grown over the years. Currently, there are around 30 different 'boxes' into which we slot members and affiliated groups. Aside from the unnecessary administrative burden that this creates, an ageing membership made us realise that in some cases we were being unfair with our discounts policy. It has been decided that from 1 January 2010 there will only be two membership grades

Full Membership

This will cover all existing grades of membership

Family Membership

As it is today, covering families of Radio Amateurs living at the same address

These grades will contain sub divisions to cover the needs of specific groups such as affiliated clubs, but all will pay the same rate

The current practice of offering concessionary rates to the disabled and members over 65 years of age will cease on the 1 January 2010. **However, those members who currently enjoy concessionary rates will continue to enjoy their concession until they leave the Society.**

If you are a member with 60 years or over continuous membership to the RSGB, you will receive free membership for life on reaching the 60-year mark.

CHANGES TO SUBSCRIPTION RATES.

It is four years since the RSGB last raised subscriptions and if we look at 'the books', the arguments for doing so are clear. Although we are going through a period of recession with low inflation rates, which we are sympathetic to, costs across the board continue to rise. These include energy bills and business rates, all of which we have no control over.

Some costs have fallen with the move to Abbey Court but this is offset by downward pressure on our other income streams such as advertising and book sales. This leaves the Society with a net shortfall between income and costs.

In order to maintain our services to you, it was inevitable that we would have to put up subscription rates at some point. The decision to do this has not been taken lightly, as we are very much aware of the financial pressures our members are under.

Our current Corporate rate is £44.00, but if you average this out across all the current concessionary categories, this decreases to an average membership fee of only £37.00. This is lower than a subscription to a well-known newsstand Amateur Radio magazine –

with which you receive no additional services or value added representation.

If *RadCom* were on the newsstand, it would cost £4.25 per edition. That works out at £51.00 a year – which is £7.00 higher than our current corporate fee. And that's just for the magazine – Society members also benefit from all the services and representation. So it is clear that the current subscription rates just don't stack up, in realistic business terms.

At the same time, we want to be more efficient and cost effective in collecting subscriptions. Direct Debit is the cheapest way to collect this money and is far more efficient than Standing Orders, Cheques or Cash, for which the Society pays a higher additional cost for processing these items.

In line with other organisations such as the RYA, the Board has therefore agreed on the following change, which is designed to encourage all our members to use Direct Debit to pay their subscription.

From 1 January 2010, the Corporate rate will be increased from £44.00 to £48.00.

	Direct Debit	Other Payment Method
Full Membership	£44.00	£48.00
Family	£53.00	£57.00
Youth	Free	Free
Life Membership	N/A	£960.00
Affiliated		
Clubs/Societies	£44.00	£48.00

It is important to note that subscriptions by Direct Debit can be paid in monthly, quarterly, six monthly and even one-off collections. So, as an example, if you wish to pay your subs by monthly direct debit, you will be paying only £3.66 a month. That means that Society membership works out at just 12p a day! That's 18p less than the cheapest newspaper.

IN SUMMARY. The Board and I believe that this modernisation programme will make the membership categories fairer, offset increases in our cost base and reduce the expense of processing subscriptions. It will also enable us to focus on ways to increase the value of membership, without being anchored in unnecessary bureaucracy. We hope that you will welcome these changes in order to safeguard the future of your RSGB.

Peter Kirby
General Manager

Exam Success



Eddie Harman who has just passed his Intermediate licence with Edgware & District Radio Society and is now 2E0EDE.

The most recent batch of Foundation candidates to pass at GM6NX in Stirling are father and son team Myles and Duncan along with Hayley (whose father is already licensed) and Michael. The range in ages shows clearly that it is a hobby for all ages and that a new generation is ready to evolve. Left to right is Hayley, MM6HLZ, Ken GM4NTX, Myles, MM3YUX, Michael McGrorty, Duncan, MM3YUW and John, MM3RGZ. Thanks to Ken, GM4NTX and John, MM3RGZ who held the exam. Grimsby ARS ran a Foundation course for the Boys Brigade and Scout movements.



It's probably the first time the two organisations have taken part in a Foundation course together.

The group that passed are (l-r) Ryan, M6FFS, Kev, M6JKY, Matt, M6MJA, Michael, M6MJL, Brian, M6LZX, Ian, M6RED, John, M3YQT Sam, M6YKQ, Carlson, M3EOG and Adam, M6GRN. They were, according to Grimsby ARS, a credit to their respective organisations.



Andrew Thomas, G8GNI and Frank Jackson, MOJSZ ran their first Intermediate course during May and July 2009 at Milton Keynes Amateur Radio Society, Bletchley Park. Eleven candidates took the exam with everyone passing. Further details of the Foundation, Intermediate and Advanced courses can be found at www.mkars.org.uk.

Mexborough & DARS would like to congratulate three successful candidates on passing their exams in August. Pictured from left to right, Bob, M6GES upgraded to Intermediate, a newcomer to the hobby, Peter Jones, who passed his Foundation exam – welcome to amateur radio – and Karl, M3NBI who also upgraded to Intermediate.



Wirral Schools' Amateur Radio Club at Greenleas Primary School have recently completed a five day Foundation course in the school summer holidays. Seven youngsters took the course and all have successfully qualified as Foundation Licence holders.

The students' ages range from 11 to 17 and they come from four different schools in the Wirral. The instructors are now looking forward to setting up clubs in the schools from which they hail. In the photo Neil Jones, MONBJ is on the left and Alec Wood, G8WHR is on the right. Their next project is to make five ARDF transmitters from G3ZOI's circuit boards and try some mini contests with school children.



NEWS IN BRIEF

- Ronald Cooper, GOMSM is the new checkpoint for the Islands of Croatia Award (IOCA). His address is: 36 Longmeadow Close, Plympton, Plymouth, Devon PL7 4JG.
- HAMCALC 112 is now available for downloading at www.cq-amateur-radio.com. Several programs have been upgraded and some new ones added.

IOTA Contest Participation

In the IOTA Contest at the end of July, members of Kilmarnock and Loudoun ARC were active from Kerrera Island as GM7A. This is the second year the team has visited the island. The team members were Graham, MMOGHM, Gordon, MMOGOR, Arthur, MMODHQ, David, MM3DHL, Peter, GM7AAJ, Allan, MM3VNW and Alan, GM6004SWL. They made an improvement on last year's score and a couple of new antennas were tested.

There was also a team from Kilmarnock and Loudoun ARC on Rathlin Island as GIOADX.



Foundation Courses

As a result of a Norfolk Community Foundation grant through the government's Grassroots Grants scheme, Bittern DXers new teaching and demonstration equipment has been purchased from GMS Electronics. The group would like to thank Mike for his assistance in assembling the equipment consisting of FT-897D, FT-8800E, MFJ-948 tuner and an MFJ-259B antenna analyser, along with a new much needed X-510 collinear.

Foundation licence courses have been planned this autumn for those who would like to become involved in the world of amateur radio. The first course will take place on 4 and 11 October and a second course is provisionally booked for 15 and 29 November. Details from Duncan Cooper, MOWTG on 07899 777604, Alec Adams, G3YOA on 01263 722586 or by e-mail to courses@bittern-dxers.org.uk.



Linda, GOAJJ, Steve, G7VRK and Duncan, MOWTG with Mike Swann of GMS Electronics.

Exam Success

The Pencoed Amateur Radio Club has one newly qualified Foundation licensee, Alan Jones, and two newly qualified Intermediate licensees, David Mochan and Ieuan Jones. All three are eager to use their new call signs on the air and their support of the radio club is appreciated by all the club members.



Alan Jones David Mochan Ieuan Jones



The Midland Amateur Radio Society has had four more Foundation successes and a new course started in October. L-R: Richard Hope, Bill Hope, Phil Barber and Paul Simcox.

All the members of Mexborough & District ARS would like to congratulate Martin Farrah on passing his Foundation Exam. He has worked so hard to gain his licence, M6MAI, the club members look forward to working him on the bands. Mum, Sylvia, M6SOJ and Dad, Allen, 2EOBNY thanked the tutors for their hard work and patience.



Mid Sussex ARS have had a 100% pass rate for their latest Foundation course. The photo shows the happy faces of the successful candidates and the training staff who ran the weekend course. L-R: (rear) Kirsty Pennicard-Wood, Gavin Keegan, Chairman MSARS, Phil Brown, Lead Instructor, Tim Knight, M6DLR; (front) Derek Pirrie M6KDL, Holly Blount M6JNH, Kirsty Hollis M6KAD, Shane Potts.



Since starting exam courses in 2002, Cockenzie & Port Seton ARC have had a total of 129 passes from 137 people who have attended training.

L-R: Bob Glasgow, GM4UYZ, Barry Taylor, Cambell Stevenson, MM0DXC, Ian Macdonald, Gary Bourhill, MM0FZV, Graham Tinn. The full program of the training supplied by the Cockenzie & Port Seton Amateur Radio Club can be found at www.cpsarc.com under Downloads And Training.



Wakefield & District Radio Society have completed a successful Intermediate exam. The photo shows Dave Roderick, M6DRR, Richard Firth, M3VBR, Roger Dyson, M3KRY, Daniel McGraw and Simon McGraw.

North Wakefield Radio Club has had successful Foundation and Intermediate exam passes. Chris Street, M6CSY, passed his Intermediate examination and the photograph shows John Towner, Andrew Taylor, Jean Scarcliffe, Michael Poole, Michael Dailey and Robin Moseley, G1MHU.



Aberdare & District ARS formed at the end of March 2009 and has come a long way in a short time. Their HQ is at 254 Squadron ATC in Aberdare. The club has obtained examination centre status recently and finished the first intake of students. There were five Foundation passes and Dean Willis, MW6VHF passed the Intermediate exam. The photograph shows the Foundation

successes. L-R: Anthony Provis, Ashley Cotter, Allan Lockyer and Graham Evans; seated in front is Kelly Gemmell.



Another successful Foundation Exam was held at the James Bradfield Church of England Primary School in Stoke Ferry, Norfolk, with all three students successfully passing the exam with flying colours. Congratulations to all candidates who are now already making their new call signs known on the bands. The course leading to the exam was run by John Nicholas-Letch, G3PRU who can be contacted via e-mail to johnnl@hotmail.com.

A school radio club for the pupils is in the process of being formed and will link in with Science Week 2010 for the school science project.



L-R: Andy Beeson, M3YWY head teacher at James Bradfield School, John Nicholas-Letch, G3PRU instructor, Nina Hancock, M6SSY and Stevan Dunton, M6DPS.

In September, three members of Kilmarnock and Loudoun ARC passed the Foundation exam. The membership wishes them all the best and look forward to meeting them on the bands.



L-R: Ian McCallum, Chris McConnell and Alan Davison.

National Hamfest Winners

At the National Hamfest held at the Newark & Notts Showground, there were a host of prizes to be won in the grand prize draw. The prizes had been donated by traders at the show. Yaesu donated two VX-8 handhelds – one for each day – and they were won by H A James, 2EORSO and Chris Martin, MOECM. The bhi NE1M 1031 noise eliminating in line speaker was won by John Lander, G4JRC. The Heil Quiet Phone Pro donated by Waters & Stanton was won by Gregory Head, G4EBY. Janette Folds, M3JNT won the new Radio Communication Handbook. The 2010 RSGB Yearbook was won by G Tweedy, GOLOP. Mr E Porteous, M3MEP was the winner of the star prize, an Icom IC-7200. The SuperAntennas Beam in a Bag was won by G B Storey, G8LIH. Ken Horne, GM3YBO won the Sandpiper antenna. The PW subscription was won by Colin Dawson, MOGMKAJ Slade, GOIJN won the ML&S T-shirt signed by Katherine Kelly of Coronation St. fame. Finally, the Moonraker antenna was won by G Oughtibridge, G4EIL.



Ailsa from Yaesu UK drawing the VX-8 prize winner.



Marilyn, RSGB RCF Trustee, drawing the winning raffle tickets.



G Oughtibridge, G4EIL with his prize donated by Moonraker.



Ken Horne, GM3YBO collecting his prize antenna from Sandpiper.

NEWS IN BRIEF

- Thornbury and South Gloucestershire Amateur Radio Club have a new regular meeting location. They still meet every Wednesday evening at 7:30pm but now in The Chantry, 52 Castle Street, Thornbury BS35 1HB. They also have a new address for their website http://tsgarc.the-two-jays.co.uk/index.php?title=Thornbury_%26_South_Gloucestershire_Amateur_Radio_Club.

Ab Fab

GB250RB was activated by the Wigtonshire Amateur Radio Club from Ellisland Farm near Dumfries at a Ploughing Match. The highlight of the station's day was when actress Joanna Lumley visited the operating area and she passed a greeting on the 40m band to GB2HEN operated by Dave, M1TWO in Suffolk.

Wigtonshire ARC was assisted by members of Kilmarnock and Loudoun Amateur Radio Club, who hold the licence for GB250RB. Joanna Lumley was presented with a piece of Burns Crystal to commemorate the 250th Anniversary of Robert Burns birth by Arthur, MMODHQ Chairman of KLARC.



Joanna Lumley and Graham, MMOGHM

GB1TT

When GB1TT went on the air, despite poor conditions over 400 stations were worked, including many local station on 20m. The callsign was chosen for Toothill Telegraph, which was one of a number of shutter telegraphs erected to provide communication between London and Plymouth. In favourable conditions, the telegraph system could pass an average message between London and Plymouth in about 20 minutes. John, MOXIG used a Yaesu FT1000MO, Acom 1000 amplifier and a Comet H422 four band dipole. Best DX for the event was VY2RU, Prince Edward Island; VE1VE, Nova Scotia; ZD7VC, St Helena; TLOA Central African Republic, KP4BJD, Puerto Rica and RZ900 in Siberia. John is gradually activating more of these shutter telegraph sites.



Hamfest Launch

Cross Country Wireless were pleased to launch their APRS TNC Digi Tracker at the recent National Hamfest. It's a new multi-purpose unit designed and built in the UK that can operate as a mobile APRS GPS tracker, fill-in digipeater and as a serial TNC for use with the UI-View APRS program in a fixed or mobile station. It also has a unique Digi All feature for covering special events or for RAYNET emergency communication use.

A compatible freeware program APRS Messenger has also been written using the latest APRS techniques to provide a reliable APRS messaging system for general amateur use or for RAYNET emergency communications.



Young Amateurs

Jodie has been waiting to take the Foundation licence since she was five years old, after her sister passed the Foundation licence. At the age of eight she was still interested so Jodie did the assessment and has now passed the exam. She will now be able to join her sister and parents on the air.



Kettering and District Radio Club also have a young amateur. Kayla Bansil, M3NNH passed her Foundation exam at 7 years 4 months. Her mum, Emma, also passed the exam and her callsign in M6EMA.



Rig Register

Rig Register was started as a method of storing details of Milton Keynes RAYNET's assets. Now it's been expanded as a place where anyone can store the details of their radios, which provides amateurs and dealers a place to check the serial number of any radio that is being sold or repaired. <http://therigregister.com>.

Trophy Winner

Jim Stevenson, GOEJQ, Regional Manager Region 13, visited Bryn Llewellyn, G4DEZ in Lincolnshire to deliver the John Pilags Memorial Trophy and the SMC 6m Cup. The John Pilags Trophy is for leading single operator fixed station in the VHF Contest Championship. Jim thinks that having seen the location, Bryn won't be handing the trophies back very soon!



Fun Day

Spalding & District Amateur Radio Society recently held a fun day and barbecue at its Portakabin and with kind permission of a local farmer they were able to make use of an adjacent field. There was no set theme for the event, just 'run what you bring'. Various stations were set up, all operating QRP, mostly using the Yaesu FT-817. Antennas ranged from kite elevated vertical, 5 element wire/string beam for 2m, HF inverted V and HF



Phil, MOPAC, operating his QRP station and ladder antenna.

vertical. The icing on the cake for the day was Phil, MOPAC, resonating any bit of metal he could find lying around. He finally settled on a ladder, matched with his Elecraft T1 and provided QRP contacts on 20m. All in all, a very enjoyable day.

SOTA Activations

Scafell Pike is England's highest mountain, at well over 3,000ft. The walk in from any direction is long and arduous. So, given those difficulties, one might imagine that few would venture there for amateur radio purposes. In fact, over the past seven years, there have been nearly 80 SOTA activations recorded from the summit. That's nearly one a month!

Many of these have taken place in the winter when temperatures at this altitude can drop to -20°C and winds can be in excess of 100 miles per hour. Not all SOTA activators want to brave such conditions. The photographs show Richard, G3CWI and Richard, G4ERP enjoying some excellent WX in September. Their day-long nine-mile walk covered some of Lakeland's most beautiful and rugged terrain and they were rewarded with a total of 55 QSOs during their 40 minutes of operating from the summit.

SOTA started in 2002 and since then there have been over 40,000 SOTA activations on 7,000 different summits across the world. For further information on the SOTA programme go to www.sota.org.uk or to view current and planned activations go to www.sotawatch.org.



Codebreaking Conference

On 7 November there will be a one day conference at Bletchley Park. All proceeds of the conference will go to the Bletchley Park Trust to help with the upkeep of Bletchley Park. Tony Sale, who rebuilt the Colossus Mk2 computer, will be speaking on how the Germans gave away their 'unbreakable' codes; Simon Singh will speak about cracking the cipher challenge and Phil Zimmerman, the original creator of the PGP e-mail encryption package, will also be giving a talk.

Delegates will have the opportunity to visit Bletchley Park and its various museums and exhibits and the National Museum of Computing, which is based at the Park. The Conference is organised by the ACCU, an organisation of programmers who care about professionalism in programming and are dedicated to raising the standard of programming. Conference rates are £85 for ACCU members and £95 for non-ACCU members. Details at www.bletchleypark.org.uk.

DIGIcon 09

Omagh was the home to Ireland's first digital communications conference, organised by a keen group of amateurs from the West Tyrone Amateur Radio Club. DIGIcon was attended by over 70 enthusiastic amateurs from all corners of Britain and Ireland. There was something to please every amateur who attended. Following registration, visitors were able to view the trading stalls of JBT trading, TA Electronics and Steven Boyd (Second Hand Radios). As well as the traders, Ian Morrow, M1CCU was providing information on Echolink and the local Echolink node MB7ICU.

Children and adults were also greatly interested in the RSGB's new Mobile Communications Demonstration Module, GB4FUN, which has not visited Northern Ireland before. Visitors to GB4FUN were able to have a look around the unit, which was touring the schools in the area – the primary function of GB4FUN. The visitors also had a chance to view the workings of amateur radio and discuss it with the operator Carlos Eavis, GOAKI.

There were four lectures held throughout the day and many of the visitors took a keen interest in them. The lectures covered Digital Amateur Television, Software Defined Radio, Amateur Satellite and D-Star.

Two main prizes of an IC-E92D with a HM-174 Speaker Microphone donated by Icom and TA Electronics, also a Weather Station was donated by Waters & Stanton, were raffled off to two lucky winners, as well as door prizes supplied by the RSGB.



Darren Storer, G7LWT (D-Star Lecturer), Jeff Smith, M10AEX (RSGB Quality Control Manager) & Carlos Eavis, GOAKI (GB4FUN).



Winner of the weather station donated by Waters & Stanton.



Winner of the IC-E92D, donated by Icom and TA Electronics.

ARMMS Conference

Radar cross sectional area is to be considered in detail at the next ARMMS conference at the Rockingham Forest Hotel, Corby on 23 and 24 November. Computational methods to predict radar cross sectional area will be addressed by Philip Galloway. Alaxander Chenakin of Phase Matrix Inc. will describe sources with phase noise levels as low as -150dBc/Hz offset by 10kHz at 100MHz. The measurement of very low phase noise levels will be addressed by H. McPherson. He will discuss a low cost technique called the Two-Source IF Discriminator technique. Details at www.armms.org.

Kew Steam Museum

GBOKEW was set up at Kew Steam Museum for part of the weekend celebrating the 'Home Front' during the Second World War. It was a great opportunity to demonstrate the use of radio to the public and in addition join in 'Pumping Stations on the Air'. The demonstration station was supported by the RSGB Region 9 Area Manager Dr Alison Johnston, G8ROG.

Visitors were met by volunteers dressed up in period costume as either the Home Guard, shop keepers, local police, military police and, within the shadows, 'Viv the Spiv' selling watches, petrol coupons and ladies' stockings!

One of the highlights of the day came when the amateur radio team were caught up in an incident where the Home Guard and Military police came to arrest Garo, GOPZA, for communicating with German radio stations using coded messages known as Morse code (all in good fun of course, and he escaped).

The GBOKEW station consisted of an Icom line-up with matching ATU and amp working into a Windom antenna which was supported by the main water tower and stretched across the main car park. A big thank you to all the stations that called into GBOKEW over the weekend and made our event possible to demonstrate our hobby.



Garo, GOPZA RSGB deputy regional manager, Ian, G00FN, Mike, G1WIA, Colin, MODMJ and George.

New Antenna

Pro Antennas have a new antenna called the I-PRO that will be available shortly.

The product has been developed over the last year and it will be available from www.proantennas.co.uk. The I-PRO is a centre fed half-wave vertical



dipole with capacity hat end loading. The Multi-band I-PRO covers the 20m, 17m, 15m, 12m, 11m and 10m bands with a 40m option available. The 40m I-PRO covers 7.0 to 7.350MHz. Both I-PRO versions stand only 3m tall.

Pioneering Work

Vintage video clips from the BBC TV Tomorrow's World programme are now available on the web. One of them features the results of the pioneering work by radio amateurs in Chelmsford who developed a mobile phone 30 years ago. The mobile phone system was developed the late 1970s at the Chelmer Institute, formerly the Mid-Essex Technical College, Victoria Road South, Chelmsford. A number of Chelmsford radio amateurs were involved in the project including Lew Schnurr, K0BUO/G5AAN (later G0AAN) who developed the base station for mobile telephone system, Geoff Mills, G3EDM and Arthur Butcher, G3KPJ.

The mobile part of the system used a modified amateur radio 2m portable FM transceiver running half-duplex on channels in the 140 and 153MHz bands using an experimental licence.

From the portable FM transceiver it was possible to both make and receive telephone calls. In those days the telephone network used a pulse dialling system, so when a number was dialled the carrier of the transceiver was pulsed on and off. This system was developed many years before the mobile phone networks were created and it was featured on Tomorrow's World broadcast on 13 September 1979.

The Tomorrow's World video can be seen at www.bbc.co.uk/archive/tomorrowsworld/8018.shtml?all=2&id=8018.

Amateur Radio to the Public

Hucknall Rolls Royce ARS attended the Moorgreen County Show, putting on an exhibition about amateur radio. Over the two days they received many enquiries and several people are interested in attending the club with the aim of starting a Foundation course.



NEWS IN BRIEF

- Aberdare and District Amateur Radio Society will be running a Special Event Station to Commemorate Armistice Day on 11 November with the callsign GB0AD. The call will be active between 1 and 15 November and operating times can be viewed at www.radioclubs.net/aadars. They will also be running GB0NG to commemorate the Nos Galan Races held every year at Mountain Ash near Aberdare on New Year's Eve where a guest runner always makes an appearance at the Event. The station will operate throughout the Month of December at various times, which can be found on www.radioclubs.net/aadars.

- Third time lucky! Amateur radio satellite SumbandilaSat was successfully launched on 17 September at 15:55:09GMT after the launch had to be postponed twice. Despite the low elevation orbit of less than 10° SumbandilaSat responded well with its first telemetry. An intensive period of payload qualification will now follow during which each system will be tested. This is expected to take up to 3 months. During the commissioning period telemetry will only be heard whilst in contact with the ground station at Stellenbosch, South Africa and will NOT be on the amateur frequencies.

- There is now an RF safety leaflet available that will be of interest to radio amateurs as it is on the subject of guidance for the placement and use of antennas. www.rs.gb.org/emc/pdfs/leaflets/emc13.pdf.

- Kazuo Miyamura Z29KM, KM9F, P29KM and ex- P29KM/H44H/H40H would like to thank all the stations that have called him since March 2008. He is now leaving Harare and his next position will be in Indonesia and hopes to be back on the air from his new QTH.

Getting listed here and on GB2RS is easy. E-mail details of your meetings as early as possible to GB2RS@RSGB.org.uk and we'll do the rest. We need to know your club name, RSGB Region number, contact name & phone number, date of meeting and detail of meeting. Example: South Bristol ARS, Region 11, Len, G4RZY, 01275 834 282, 29 October, On the Air. It's that simple. The deadline for *RadCom* is the 1st of the month before the cover month (so for this October issue it was 1 September), while for GB2RS it's 10am on the Tuesday for the week of broadcast.

1 SCOTLAND SOUTH & WESTERN ISLES

REGIONAL REP: GORDON HUNTER,
GM3ULP, GM3ULP@RSGB.ORG.UK

AYR ARC

Charlie, MM0GNS, 01563 551704,
cgnstewart@hotmail.com

- 4 Group discussion
- 18 EMC talk & demo, MM6YET

COCKENZIE & PORT SETON ARC

Bob, GM4UYZ, 01875 811 723

- 6 Normal club night
- 13 TBA

KILMARNOCK & LOUDOUN ARC

Graham, MM3GDC,
mm3gdc@btinternet.com

- 10 Richard, MM1BHO on RAYNET

LIVINGSTON & DARS

Norman, 07740 946192,
uk.groups.yahoo/group/msOliv

- 3, 17 Club evening
- 10 Operating evening
- 24 Morse code practice

LOTHIANS RS

Andy Sinclair,
Irs_secretary@moosedata.com

- 11, 25 Talk

PAISLEY (YMCA) ARC

Bill Anderson, 2MOBZZ, 01505 613633,
bill@3bis.co.uk

- 4, 18 Training
- 11, 25 TBA

2 SCOTLAND NORTH & NORTHERN ISLES

REGIONAL REP: DENNY MORRISON,
GM1BAN, GM1BAN@RSGB.ORG.UK

ABERDEEN ARS

Lewis, GM4AJR, 01224 575 663,
www.aars.freemove.co.uk

- 5 Junk Sale
- 12 Club discussion night - bring a pen!
- 19 On the air / construction
- 26 AGM

KINGDOM AMATEUR RADIO SOCIETY

Brian, MM0XBD, 01383 738905,
mm0xbd@kars.org.uk

- 4, 11, 25 Shack night
- 18 AGM

MORAY FIRTH ARS

Jim, MM0SMD, 01340 820 134,
nicol123@btinternet.com

- 9 The new club project night

3 NORTH WEST

REGIONAL REP: KATH WILSON,
M1CNY, M1CNY@RSGB.ORG.UK

CHESTER & DRS

Barbara Green on 0151 339 9183,
www.chesterdars.org.uk

- 3 Visit by Rob Mannion,
Practical Wireless Editor
- 10 Committee meeting
- 17 Visit to Urenco of Capenhurst
- 24 Wind up mast by Derrick Sumner,
M1SUM

ISLE OF MAN ARS

Stuart Hill, GD00UD, 01624 613226

- 10 3B7C DXpedition by Bob Barden,
MDOCCE



MID-CESHIRE ARS

Peter Paul Fox, G8HAV, 01606553401

- 4 All band OTA & club project
- 11 G4CAX HF operating & club project
- 18 Radioactive planning & OTA
- 25 Annual junk sale

MORECAMBE BAY ARS

Martin Hazel, MOZIF, 07852 200232,
martin@mbars.internationalham.com

- 3, 17, 24 Social evening
- 10 Fancy dress and games night

SOUTH CHESHIRE ARS

Chris Wiseman, G0RDK, 01782 773185

- 12 Portable operation by Ray, M1REK
- 26 Oscilloscopes by Dave, G8DHQ

SOUTH MANCHESTER R & CC

Ron, G3SVW, 0161 969 3999

- 5 Talk and demonstration of Chilli Con Carne for Contests by Ron, G3SVW
- 12 Cost Effective Wire Antennas by Chris, G3UAU
- 19 Balloon Borne Amateur Radio by Peter, G0BHP
- 26 Surplus equipment sale
- 30 Monthly technical forum

THORNTON CLEVELYS ARS

John Foster, M3WAZ, 01253 399377

- 2 Natter night
- 9 SSTV by Kevin, G0LRK
- 16 Ionosphere by Peter, G4JGC
- 23 Auction with Mick, G4EZM
- 30 Tech Talk with John, G8RDP

4 NORTH EAST

REGIONAL REP: HAROLD SCRIVENS,
G0UGE, G0UGE@RSGB.ORG.UK

ANGEL OF THE NORTH ARC

Nancy Bone, G7UUR, 0191 477 0036,
nancybone2001@yahoo.co.uk

- 2, 23, 30 OTA; Advanced Licence course continues
- 9 AGM
- 16 The Enigma Machine and how it helped win the War by Mike Stott, G0NEE

EAST CLEVELAND ARC

Alistair, G4OLK, 01642 475 671,
alistair.mackay@talk21.com

- 6, 20 OTA
- 13 Technical forum
- 27 Preparing for the stall at the Spennymoor Rally

HORNSEA ARC

Gordon MacNaught, G3W0V, 01377 240573,
gmacnaughtwov@yahoo.co.uk

- 4 Activity night
- 11 Corn and Kilowatts by John, G3XYF
- 12 80m Sprint, SSB

HORNSEA ARC

Gordon MacNaught, G3W0V,
01377 240573,
gmacnaughtwov@yahoo.co.uk

- 18 AGM
- 25 Committee Meeting + 80m Sprint, CW

MEXBOROUGH & DARS

Sharon, M0BOH, M0boh@aol.com

- 20 DXing & Contesting on HF by Chris, G1VDP

OTLEY ARS

Paul, 2E0PAK, 07768 996370,
m6wat@pekae.co.uk

- 3 144MHz UKAC (Shack) + Tech Chatter (Village Hall)
- 10 Shack night
- 17 Members presentation
- 24 50MHz activity night

SHEFFIELD ARC

Trevor Wood, MOTWS,
trevorwood6@yahoo.co.uk

- 2 Talk on RAYNET by GOJJR
- 9 Winter junk sale
- 13 Visit to the club by Scouts
- 23 Quiz night
- 30 Social night and video

TYNEMOUTH RADIO CLUB

Graham Errington, 07812 172136

- 6, 20 Operating night/technical topics / Morse class
- 13 Radio sale
- 27 Egg race

5 WEST MIDLANDS

REGIONAL REP: TREVOR BAILEY,
MOKMB, MOKMB@RSGB.ORG.UK

BROMSGROVE & DARC

Chris, M0BQE, 01905 776 869,
m0bqe@hotmail.com

- 6 GB75XX special event station
- 13 Last night of GB75XX
- 20 Committee meeting
- 27 QSL cards

CHELTENHAM ARS

Derek Thom, G3NKS, 01242 241099,
g3nks@blueyonder.co.uk

- 6 Repeaters by Steve, G4FPV

COVENTRY ARS

John, G8SEQ, 07958 777363

- 6 Bangers & mash
- 13 Great egg race
- 20 Skittles night
- 27 Committee forum

GLOUCESTER AR & ES

Anne, 2E1GKY, 01452 548478,
daytime, www.g4aym.org.uk

- 2 2nd thoughts about Aerials by Tom, G3XMM
- 9 Operating club equipment
- 16 DF hunt
- 23 Informal evening
- 30 Workshop/HF operating

MID-WARWICKSHIRE ARS

Bernard, M1AUK, 01926 420 913

- 10 Video / DVD evening
- 24 Meeting OTA - all welcome to chat on 145.225MHz

SOUTH BIRMINGHAM RADIO SOCIETY

Don, 0121 458 1603

- 4 AGM

STRATFORD UPON AVON DRS

GOCHO, 01608 664488,
cousbey@theiet.org

- 9 Surplus equipment sale
- 23 Apollo 11 communications by GOCHO

TELFORD & DARS

Mike, G3JKX, 01952 299 677,
mjstreet3jkk@blueyonder.co.uk

- 4 Open house/on the air/committee
- 11 Quiz night, MOTAW
- 18 Members' projects
- 25 Junk sale

WORCESTER RAA

Leslie Coyne, M3WRZ, 01905 764320,
m3wrz@wraa.co.uk

- 10 Talk & OTA

6 NORTH WALES

REGIONAL REP:

MARK HARPER, MW1MDH,
MW1MDH@RSGB.ORG.UK

CONWY VALLEY ARC

Wynne, GW6PMC, 01745 855 068

- 4 Speed enforcement and what the safety camera has achieved by Martyn Schlangen, Safer Roads Officer from Conwy CBC

MEIRION ARS

John, MW0VTK, 07868 738016,
meirionars.multiply.com

- 5 Club quiz night
- 24 Family Christmas meal

7 SOUTH WALES

REGIONAL REP: JIMMY SNEDDON,
MW0EQL, MW0EQL@RSGB.ORG.UK

CARMARTHAN ARS

Alastair Underwood, GWOAJU,
01267 290822

- 3, 17 Meeting plus intermediate exam tuition

LLANELLI ARS

Craig, MW0MXT, 01269 840292,
craig@mw0mxt.co.uk

- 2 Pool tournament (club members only)
- 9 TBA
- 16 Club raffle & social night
- 23 OTA
- 30 Junk sale

SWANSEA ARS

Roger, GW4HSH, 01792 404422

- 19 TV by Tim Davies, GW4ADL

8 NORTHERN IRELAND

REGIONAL REP: PETER LOWRIE,
MI5JYK, MI5JYK@RSGB.ORG.UK

BANGOR & DARC

Mike, G14XSF, 028 4277 2383

- 5 Annual surplus sale

9 LONDON & THAMES VALLEY

REGIONAL REP: ALISON JOHNSTON,
G8ROG, G8ROG@RSGB.ORG.UK

AYLESBURY VALE RS

Roger, G3MEH, 01442 826 651

- 11 Quiz with Chesham club

CESHAM & DARS

Terry, G0VFW, 01442 831 491,
terry.g0vfw@ntlworld.com

- 4 General meeting & CW practice
- 11 Annual inter-club quiz with Aylesbury
- 18 OTA & CW practice
- 25 Construction evening

COULSDON ATS

Andy, G8JAC, g8jac@btinternet.com

- 9 Annual CATS Quiz with question master Frank, G3ZMF

CRAY VALLEY RS

Bob, 2E0RCV, 020 8265 7735 after 8pm

- 5 Natter night
- 19 Visit by RSGB Regional Manager Alison Johnston, G8ROG

DORKING & DRS

Garth, G3NPC, 01737 359472,
garth@swansons.org.uk

- 24 Millimetre Wave Radio Propagation by Dr David Browning, M6DJB

EDGWARE & DRS

Mike, G4RNV, 020 8950 0658,
michael.stewart5@ntlworld.com
12 Rig frequency measurement
by John, G3SJE
26 A talk by Malcolm Wood MBE

NEWBURY & DARS

Richard, G3ZGC, 01635 46241,
richard.jolliffe@vodafone.com
25 Claverton Pumping Station

READING & DARC

Pete, G8FRC, 01189 695 697
12 Autumn junk sale
26 TBA

SHEFFORD & DARS

David, G8UOD, 01234 742 757
5 Power projects with a difference a talk
by Paul, MOPSW
12 Quiz Night
19 24GHz equipment talk
by Dick, G4LBH
26 TBA

SOUTHGATE ARC

David Sharp, M0XDS,
david.sharp1@tesco.net
11 Autumn junk sale

SURREY RADIO CONTACT CLUB

Ray, G4FFY, 020 8644 7589
2 Club talk
16 Digital photography
by Ray Howells, G4FFY

SUTTON & CHEAM RS

John, G0BWW, 020 8644 9945,
info@scrs.org.uk
19 WSPR by Walter Blanchard, G3JKV

VERULAM ARC

Ralph, 01923 265572, g1bsz@aol.com
17 Video evening

WEY VALLEY ARG

www.weyvalleyarg.org.uk
6 Rob Mannion, G3XFD
20 Patrick Arnold, SOE and local
connections

WIMBLEDON & DARS

Jim, M0CON, 020 8874 7456,
www.gx3wim.org.uk
13 Morse on the air
27 Surplus sale

10 SOUTH & SOUTH EAST

REGIONAL REP: GAVIN KEEGAN,
G6DGK, G6DGK@RSGB.ORG.UK

ANDOVER RAC

Martin, M0MWS, 07776181646,
www.arac.co.uk
3 Introduction to satellite working

BREDE STEAM ARS

Steve, 01424 720815, m0nuc@aol.com
3, 10, 17, 24 Operating from the shack
7 At the bunker

FARNBOROUGH & DRS

Derek, G3OFA,
mail@farnboroughradio.org.uk,
www.farnboroughradio.org.uk
11 Radio Caroline by John, M3XTE
25 AGM

HARWELL ARS

Malcolm, G8NRP, 01235 524844,
info@g3pia.org.uk
10 Healthy eating for radio amateurs
by Janet, 2E0LLM
24 Shack activity night

HORNDEAN & DARC

Stuart, G0FYX, 023 9247 2846,
www.hdarc.co.uk
3 Natter night/social evening
24 History of Whale Island by Lt Cdr Witt

HORSHAM ARC

www.harc.org.uk
5 Electrical Oddities
by John Narborough

15 Sunday morning fox hunt
19 Social at The Frog and Nightgown,
Wimlands

SOUTHDOWN ARS

John, G3DQY, 01424 424 319
2 Annual dinner at Toby Carvery,
Eastbourne
4 Operating G3WQK at Hailsham shack

SWINDON & DARC

Den, M0ACM, 07810 317750,
www.sdarc.net
5 "We CQ here, we CQ there"
by Den, M0ACM
12 Mini-talk on meters by Dennis, G3LLZ
19 Radio tales from the Sultanate of
Brunei by Ian, G3YBY
26 Natter night

TROWBRIDGE & DARC

Ian, G0GRI, 01225 864 698, E/W
4 G2BQY & G4UNU Constructor's Cup
entry judging
18 Natter night

WORTHING & DARC

Roy, G4GPX, 01903 753 893
4 Wires, poles and aerials discussion
evening
11 Collectors' bring and tell evening
18 Talk by Peter, G4PAP
25 Nevada Radio open evening. Club
room will still be open as usual.

**11 SOUTH WEST
& CHANNEL ISLANDS**

REGIONAL REP: PAM HELLIWELL,
G7SME, G7SME@RSGB.ORG.UK

APPLEDORE & DARC

Brian Jewell, M0BRB, 01237 473251
16 Bring and buy auction

BRISTOL RSGB GROUP

Robin, G3TKF, 01225 420442
30 Talk by Martyn, G3RFX

CORNISH RADIO AMATEUR CLUB

Steve, G7VOH, 01209 844939,
g7voh@btinternet.com
2 Committee meeting
4 Main meeting & surplus sale
9 Creating movie DVDs by Clive, G3OCB

EXMOUTH ARC

Mike, G1GZG, 01395 274172
4 BBQ and fireworks
18 Operating & mystery night

NEWQUAY & DARS

Joe Bell, M6JOE, 01726 891557
12, 26 Club night and Foundation
training

SOUTH BRISTOL ARC

Len, G4RZY, 01275 834 282
5 DX challenge evening led
by Len, G4RZY
12 Start of the Christmas raffle organised
by Steve, G0UQT
19 AGM
26 OTA

THORNBURY & SOUTH

GLoucestershire ARC
Tony, G0WMB, 01454 417048,
tonytsgarc@sky.com
4 Garage sale at Stan's
11 Software Defined Radio by Ron
18 Video night
25 OTA

WEST DEVON RADIO CLUB

Jules Cuddy, M1AGY, 01752291588
10 Table top sale night

WEST DEVON RADIO CLUB

Jules Cuddy, M1AGY, 01752291588
24 Christmas Party preparation night

YEOVIL ARC

Steve Crask, G7AHP, steve@g7ahp.co.uk
5 Short vertical antennas
by Rob, G3MYM

12 Homebrew microwave equipment
by Dave Edwards
19 Basic filters by Chris, G4DCH
26 Committee meeting & station on air

12 EAST & EAST ANGLIA

REGIONAL REP: PHILLIP BROOKS,
G4NZQ, G4NZQ@RSGB.ORG.UK

BITTERN DX GROUP

Keith, G0GFQ, 01263 588 506,
info@bittern-dxers.org.uk
12 Informal
15, 29 Foundation Licence course
26 Club meeting at Pinewood Park IBC

BRAINTREE & DARS

John, M5AJB, 01787 460 947
2 Junk sale
16 Computer software or Satellite working

CAMBRIDGE & DARC

David Leary, G8JKV on 01223 355254
6 Shack evening
20 PSK31 and other digimodes talk/demo

CHELMSFORD ARS

Martyn, G1EFL, 01245 469 008
3 The Flexradio FLEX-5000A SDR
by Gwyn Williams, G4FKH

DOVER RC

Brian, G4SAU, g4sau@darco.org.uk
3, 18 Natter and operating evening
11 An overview of amateur television
by Brian, G8ZYZ
25 A practical demonstration of PSK 31
plus discussion

FELIXSTOWE & DARS

Paul, G4YQC, pjw@btinternet.com
16 Talk by Microwave Round Table
speaker
30 Junk sale

GORLESTON ARS

David, G3OEP, QTHR, 01493 662 323
28 Lunch time meeting at the Short Blue
Hotel, Gorleston

HAVERING & DARC

John, M0UKD, 07817365354
4 eBay for dummies by Rob, M0MCP
11, 25 Informal
18 M3KNL Memorial Quiz

KING'S LYNN ARC

Ray, G3RSV, ral-g3rsv@supanet.com,
www.klarc.org.uk
5, 12, 19, 26 Club night and 2m club net

LEISTON ARC

Dave, G4HUP, 01473 737 717,
g4hup@btinternet.com
3 AGM

LOUGHTON & EPPING FOREST ARS

Marc Litchman, G0TOC, 020 8502 1645
6 LF OTA
20 Review of 2009 by the committee

LOWESTOFT & DISTRICT PYE ARC

Phil, G0JSG, 01502585448,
phillip.holden@virgin.net
5, 19, 26 Club night at shack
12 Echolink - is it really radio?

NORFOLK ARC

Chris Danby, G0DWV, 01603 419204,
cmdanby@btinternet.com
4 Visit from RSGB President Colin
Thomas, G3PSM
11 Informal / construction / workshop

PETERBOROUGH & DARC

David Howlett, M0VTG,
padarc@tesco.net
25 DVD night - basic radio measurements

SOUTH ESSEX ARS

Dave Speechley, G4UVJ, 01268 697978,
southessex.ars@btinternet.com
11 AGM

HELPLINES**IMPORTANT NOTICE**

RESPONDENTS TO ITEMS IN
THE 'HELPLINES' COLUMN ARE
ADVISED NOT TO SEND ORIGINAL
DOCUMENTS, BUT TO COPY THEM
AND SEND THE COPIES.

*Members are reminded that
Helplines is a free service that can
be used to ask other members for
help on amateur radio related
matters. Items for inclusion can be
sent by post to RSGB HQ or
preferably by e-mail to
radcom@rsgb.org.uk.*

- Quantity (about 70) zero-BA
setscrews, 1 inch long and similar-
thread caged nuts (about 20) as used
in 19 inch racking. Free if they are of
use to anyone. G3GIB QTHR.

- John, G3GTJ, would like copies of
circuit diagrams or, ideally, user
manuals for (1) the Heathkit SB 303
solid state HF receiver and (2)
Advance Q meter type T2. All
expenses will be repaid. Telephone
01963 240319.

13 EAST MIDLANDS

REGIONAL REP: JIM STEVENSON,
G0EJQ, G0EJQ@RSGB.ORG.UK

DERBY & DARS

Richard Buckley, radio@dadars.org.uk
3 Junk sale
10 Committee meeting
17 Video show
24 OTA

EAGLE RG

Terry, G0SWS, 01507 478590
10 Weird engines by David, G7BUK

LEICESTER ARS

the duty committee member
on 07804 595749

2 Talk on WAB by G4IAR
9 OTA
14 OTA & committee meeting
23 Barbecue organised by Tor

LINCOLN SHORT-WAVE CLUB

Pam Rose, 01427 788356,
pamelagrose@tiscali.co.uk
4 EME by Howard Ling, G4CCH
11, 18 Shack activity and natter night
23 Construction Contest

LOUGHBOROUGH & DARC

Chris, G1ETZ, 01509 504 319
3 Computer night - Have you a problem?
10 Vintage night - bring a valve
17, 24 Surround sound by Ian, G8SNF

NUNSFIELD HOUSE ARG

Ken Frankcom, G3OCA, 01332 720976
6 The NHARG packet cluster
by Pete Walker and Andy Barker
13 Committee meeting and shack night
20 Planning the club programme
27 Nostalgic TV by Martin Winfield

SOUTH NOTTS AMATEUR RADIO CLUB

Terry, MORIA, www.radioclubs.net/snarc
3 2m Contest
4 RSGB Regional Manager and
Intermediate Practical with MOBWY
8 OTA, Morse and Intermediate Practical
with MOBWY
11 PIC Controller with G4EDX and
Intermediate practical with MOBWY

SOUTH NOTTS AMATEUR RADIO CLUB

Terry, MORIA, www.radioclubs.net/snarc
21 Intermediate weekend with MOBWY,
G4NSP and MORIA
25 Forum (members only)

**WELLAND VALLEY AMATEUR RADIO
SOCIETY**

Peter D Rivers, G4XEX, QTHR,
01858 432105, g4xex@fsmail.net
16 HF and Echo Link Skeds with Alan,
VE6QQ & Pete