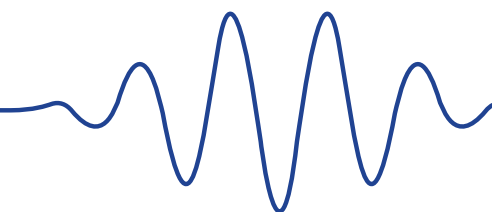




Radio Society of Great Britain

Advancing amateur radio since 1913



# Affiliated Clubs Newsletter

## February 2016

### **New look *Around Your Region***

Thank you to everyone who provided larger, higher quality photographs of club activities. They make a real difference to the look and feel of club news.

Photos submitted for Around Your Region must be **at least** 1024x768 pixels, in sharp focus and must be adequately lit. Any modern mobile phone camera is capable of taking photos that easily exceed these requirements.

Preference is given to interesting images of club activities.

Please let us know what you think about the new layout. Email your thoughts to [radcom@rsgb.org.uk](mailto:radcom@rsgb.org.uk) – we *do* listen.

This is the regular monthly Club Newsletter, sent to all RSGB affiliated clubs and societies. It contains the RSGB Matters and Around Your Region sections of *RadCom*, including all the club news and calendar information.

To get your club news and events included in this Newsletter and the Around Your Region section of *RadCom*, please email the details as early as possible to [radcom@rsgb.org.uk](mailto:radcom@rsgb.org.uk)

We need to know your club name, RSGB Region number, contact name and phone number, date of meeting and details of the event. Example: Fraser Road Radio Club, Region 9, Graham, GONBI, 01234 832 700, 29 Oct, On the Air.

Forthcoming deadlines are always printed in the red box at the start of the Around Your Region section.

*It is important that your club's details are up to date on the Membership database. You can update them yourself by logging onto the RSGB Membership Services Portal at [www.rsgb.org/members](http://www.rsgb.org/members) using your club callsign and Membership number.*

## A New Year

With the festivities behind us it is time to look forward to making some changes to our station or trying new things. This month's edition brings us plenty to consider and probably top of the list for many will be Peter Hart's Equipment Review. Whether or not you are planning to get a new rig, many of us like to keep abreast of the technical aspects of the latest commercial offerings. This month Peter, G3SJK, reviews the Yaesu FT-991 – a very versatile HF/VHF/UHF transceiver, whether for home or when travelling. Our Microwave columnist, Dr John Worsnop, G4BAO, reviews the Gemini 23 1296MHz linear that seems to pack a lot into the design.

Last month, I needed to find some words for Peter, G3LDO's funeral to describe his contribution to amateur radio over the years. Aerial projects are something that nearly all of us tackle, so I am delighted to see that there are two articles on the subject this month. Maybe, we can plan to do something for Spring,

when the wind and rain abates (not to mention snow and ice).

Turning to warmer times we have a feature on the recent DXpedition to Niue by a well-known group of RSGB Members. DXing is not everyone's cup of tea, but it is rare for me to work into the middle of the Pacific on 100W and a wire aerial at 25ft – this group know how to put an effective DX station together, and have the operating ability to go with it...

There are many other features in this month's edition – for example the one on the first school's contact with the International Space Station. I was very pleased to attend on that occasion. Finally, I would draw your attention to our vacancy notices for the new contest committees and for someone to replace our General Manager, Graham, GONBI who is retiring (see page 7). Graham has done a tremendous job for the Society since 2012 and we will be sorry to see him go.

John Gould, G3WKL, RSGB President

## RAYNET Active

RAYNET groups in the North of England and Scotland have again been busy during the Christmas period. Storm 'Eva' caused widespread flooding in the Leeds and York areas, causing loss of power and telecommunications issues. Storm 'Frank' caused flooding/property damage due to high winds and rain. Dumfries and Galloway RAYNET members provided emergency communications from the badly flooded South West Scotland town of Newton Stewart to the region's main emergency control centre in Dumfries on 30 December. All telephone and internet coverage were down due to power outages in the exchange and many properties.

Lothians, together with Glasgow and Clyde RAYNET, went to a voluntary standby status, but stood down as the effects of the storm subsided.

## Legacies

The RSGB Board has appointed two new trustees to the Legacy Sub-Committee – Glen Bates, G6HFF and Lindsay Pennell, G8PMA. The Legacy Sub-Committee considers applications and makes recommendations to the Board, for funding from the Society's Legacy funds.

Two donations totalling £16,800 have recently been received from the estate of a donor who wishes to remain anonymous and have been added to the Society's Legacy Fund, which now totals £180,000.

## Supporting Affiliated Clubs

The RSGB Promotion Group, working with the *Inspire* initiative, has developed an Event Pack to assist clubs that are considering or planning to stage public demonstrations of amateur radio. The pack provides material and links to existing good practice in all the areas that a club needs to address. Further material will be added to the pack as it becomes available, and all clubs are encouraged to use this resource to share what they do with others. The pack can be found on the Club Membership portal (accessible by logging into the RSGB website).

## Internet Gateways and Wires-X Nodes

The Amateur Radio Observation Service (AROS) in conjunction with the Emerging Technology Co-ordination Committee (ETCC) has noted a number of examples of UK amateurs operating internet linked nodes that are carrying 3rd party traffic and would like to draw attention to the requirement for an NoV to the licence under these circumstances.

Guidance for the use of personal hotspots, crossband repeaters or other similar installations can be found in Section 10 of the amateur licence, which is reproduced below with the appropriate parts in *italics*:

10 Unattended and remote control operation

10(1) The Licensee may conduct Unattended Operation of Radio Equipment provided that any such operation is consistent with the terms of this Licence. Additional restrictions which apply to the Unattended Operation of Beacons are specified in Schedule 2 to this Licence.

10(3) *This Clause 10 does not permit the Licensee to install Radio Equipment capable of Remote Control Operation for general unsupervised use by other Amateurs.*

10(4) *Any communication links used to control the Radio Equipment or to carry Messages to or from the Radio Equipment in accordance with Clause 10(2) must be adequately secure so as to ensure compliance with Clause 3 of this Licence. Any security measures must be consistent with Clause 11(2) of this Licence.*

Our interpretation of this is that the use of personal hotspots is legal provided that they are for personal use only and not open for others to use. If the installation is open and carrying third party traffic then it will be considered as a repeater or gateway and will need a Notice of Variation (NoV) to your licence. NoVs will only be issued to Full Licensees in the case of repeaters and to Full Licensees and Intermediates in respect of Gateways and can be applied for at no cost through the ETCC website.



# Are you the next RSGB General Manager?

Graham Coomber, G0NBI, Radio Society of Great Britain's General Manager, has announced his retirement and the RSGB is seeking someone to take over the mantle of providing leadership for the HQ staff and support for the Board and the Membership. If you are interested in this role, you should be able to demonstrate past success in a management role, be an excellent communicator, possess good presentation and interpersonal skills as well as sensitivity to the political aspects of the RSGB's work and a sound financial and business management capability. Most important of all is a passion to help the RSGB and amateur radio develop successfully.

Ideally, you should be a practising licensed amateur and have had experience working in an organisation that relies heavily on a committed group of volunteers to deliver services.

For further information about the role and how to apply, please email Graham Murchie G4FSG, Chairman of the Board, via [g4fsg@rsgb.org.uk](mailto:g4fsg@rsgb.org.uk). Alternatively, if you would like an informal discussion about the job, Graham Coomber will be pleased to hear from you on 01234 832 701 during office hours.

**The deadline for submitting formal applications is Friday 26 February 2016.**

Radio Society of Great Britain, 3 Abbey Court, Priory Business Park, Bedford MK44 3WH

## Train the Trainers

RSGB Training and Education Committee invite expressions of interest from clubs who wish to host a Train the Trainers event during 2016. This fun one-day Saturday course ran very successfully during 2015 and is aimed especially at licence course tutors who are not already professional teachers.

The RSGB ask the host club to provide a suitable venue and tea and coffee for delegates during the day. We provide the course instructors and teaching materials, and all participants receive a certificate from the RSGB. The host club can, of course, offer as many places to their own instructors as they wish, but we then ask them to make additional places available for instructors from other clubs.



The ideal venue has:

- A comfortable quiet room large enough for about 25 people to work at desks or tables
- Break out areas, or corners of a suitably large room, in which four small groups can work
- A computer projector and a whiteboard
- And ideally Wi-Fi internet access. If this is not available we may be able to provide a temporary service for the day.

If your club is interested in hosting an event in 2016 please contact Paul, G4DCV by email to [paul@g4dcv.co.uk](mailto:paul@g4dcv.co.uk)

February 2016

## Club of the Year

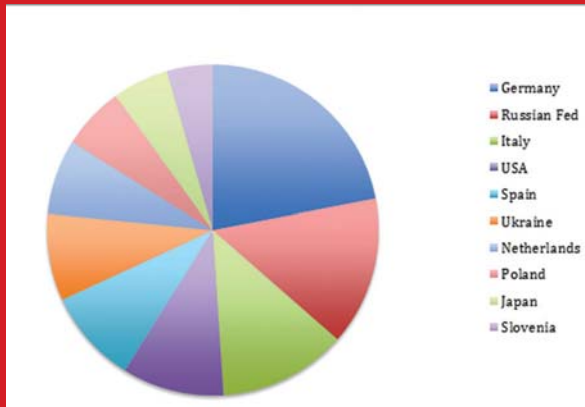
The deadline for entries to the Club of the Year 2015 Competition has been extended to 29 February. For details of how to enter, please see <http://rsgb.org/main/clubs/national-club-of-the-year/>

The regional winners of the competition will be announced at the AGM in April and the National Winners will receive their prizes, kindly sponsored by W&S, at the National Hamfest in Lincoln on 1 October 2016.



## QSL Matters

2015 was another busy year for the bureau. We shipped 1,005,657 cards – around 3,017kg or 3 tons of cards. See the pie chart for a breakdown. The central bureau also processed more than 10,000 additional cards that could not be shipped for various reasons. These included incorrect call, non-Member, silent key, wrong country, no via or info, no bureau etc.



We are often asked who receives the most cards. In 2015, 52% were distributed to our sub-managers for UK callsigns. The busiest five received around 170,000 cards in total for the following groups: Contests, GB, G0, MOM-Z and GI-MI-2I.

48% of cards were sent to 145 overseas destinations, the top 10 accounting for around 60% of all export consignments.

### Important news

Check the size and weight before you send. Royal Mail recently increased its charges for under stamped/paid items to £1.50 for letters and packets, and £3 for parcels. The bureau is not authorised to pay excess charges on behalf of Members so please check before you send.

### Send-all-Send-any policy

Sub-managers never know the urgency of a QSL card and there are many factors that determine the 'desirability factor' of a card – something known only to the sender and recipient. That's why our volunteers aim to get all cards out as quickly as possible, in less than 30 days of receipt from us.

Unfortunately, the number of uncollected cards still remains high. Even if you never send QSL cards you will most likely be surprised at the incoming post, so please make sure that your sub-manger has a collection envelope or two (details on the RSGB website). 2nd Class stamps on C5 envelopes are always best value.

### G4R and G4 review

G4R series callsign Members are advised that a temporary QSL sub manager is in place for the G4R group whilst a review of sub manager provision in the G4 series is on-going. Wayne Thomas, MOWAY has kindly agreed to handle G4R for the time being. Details can be found on the RSGB website, under 'Operating'. He can be contacted via email to [m0way@hotmail.co.uk](mailto:m0way@hotmail.co.uk)

### G1-G2 Sub Manager

It is with sadness that we report that long time G1-G2 sub manager, Anthony Nowell, BRS 94111 died suddenly, shortly before Christmas. Although unwell for some time he remained a keen listener and greatly enjoyed volunteering. He was a frequent caller to the bureau and also to many of his G1-G2 users. We are working with his executors and more information will be available soon. In the meantime call holders should not send collection envelope and refer to the website for updates.

### GM4-GM8 Series

Tom Wylie, GM4FDM wishes to step down as sub manager for this range of calls sometime during 2016 and we are now seeking his replacement. Ideally another active GM with time and space to handle 20-25,000 plus of cards per year and with email and basic spreadsheet skills. Tom reports a higher than average rate of non-collection in this call range, so a proactive volunteer with organisational, time and people skills would be an advantage. Enquiries to [qsl@rsgb.org.uk](mailto:qsl@rsgb.org.uk) please.

## RadCom Basics

The February/March 2016 edition of *RadCom Basics* will be emailed out to subscribers on Tuesday 2 February. It will contain features on making the most of tropospheric lifts on 2m, making homemade coaxial traps for antennas, taking part in the Commonwealth Contest on 12-13 March and making a 2m Slim Jim antenna with 300Ω ribbon cable.

*RadCom Basics* is aimed at new amateurs and those who may want to find out more about aspects of the hobby they may have never considered.

You can find out more about *RadCom Basics* and subscribe in the publications section of the RSGB website, [www.RSGB.org](http://www.RSGB.org).

**RadCom**  
basics

## UK Spectrum Report

The UK Spectrum Policy Forum, the industry-led sounding board to Government and Ofcom, has launched a new report: UK Spectrum Usage & Demand (2nd Ed). It was launched at the UK Spectrum Policy Forum conference Enabling Spectrum to Deliver a Positive Digital Future with a keynote speech from Ed Vaizey MP, Minister of State for Culture and the Digital Economy, followed by a panel debate with some of the report's authors and contributors from the industry sectors. For more information, see <http://tinyurl.com/z4kj4jh>

Based on studies of 11 sectors, from space and radio to broadcasting and transport, this study of the major users of spectrum in the UK identifies the business and societal activities that depend on spectrum and the associated drivers of value. Providing a snapshot of the current spectrum usage and expected long-term future needs, the report identifies spectrum 'pinch points' that must be addressed if we are to maximise future growth in spectrum value.

The report is aimed to identify spectrum needs across a breadth of industries and inform future policy debates to avoid a spectrum 'crunch' in the long-term. Encouragingly, amateur radio receives good coverage – see pages 50 - 52 of the summary and 171 - 182 in the appendices of the main report, thanks to input from Murray Niman, G6JYB and Graham Murchie, G4FSG

## Contest Committee Vacancies

As part of the implementation of the recommendations of the President's Review of Contesting the Board has agreed to split the Contest Committee into three Committees with effect from 1 January 2016. This develops the concept put forward in the Review of having spectrum representatives within the committee, and will improve accountability and communications

The three committees will be known as the VHF Contest Committee (VHFCC), the HF Contest Committee (HFCC) and the Contest Support Committee (CSC).

Following the restructure of the RSGB Contest Committee, the Board seeks applications for the posts of HFCC Chair, VHFCC Chair and CSC Chair. Applicants must be experienced contesters with a commitment to jointly drive a successful RSGB contesting programme. To provide both continuity and natural churn, initial appointments will range from one to three years. Requests for further information, should be sent to the RSGB General Manager by email to [graham.coomber@rsgb.org.uk](mailto:graham.coomber@rsgb.org.uk)

The three new committees each have some vacancies for new members. These are in the areas of policy (HFCC & VHFCC) as well as adjudication (CSC). Whilst applications from experienced contesters are welcome, the new committees would also benefit from some newcomers to contesting. If anyone wants an informal chat, the interim chairs are happy to respond via [hfcc.chair@rsgbcc.org](mailto:hfcc.chair@rsgbcc.org), [vhfcc.chair@rsgbcc.org](mailto:vhfcc.chair@rsgbcc.org) or [csc.chair@rsgbcc.org](mailto:csc.chair@rsgbcc.org)

In all cases, applications (together with a brief statement of experience relevant to the position applied for) should be sent to the RSGB General Manager. The closing date for the Chair positions is 8 February. The closing date for committee member positions is 8 March.

The Board would like to thank those who worked hard, often over many years in the old structure, and wish those who will be tasked with making the new structure work, every success.

## Youth Leader

Sara McGarvey, 2I0SSW has been appointed by the RSGB Board to take on the role of leader to take 3 or 4 young Members to Austria as part of the IARU Region 1 YOTA programme at the end of July 2016. Sarah is 27 years of age, has experience of taking groups of youngsters overseas and is DRM84 (Northern Ireland).

## New Propagation Service

The Propagation Studies Committee has begun work on a new web HF Propagation Prediction service. It will feature both area coverage predictions as well as point-to-point (P2P) on demand predictions. Presently, only area coverage has been completed and this can be seen on URL [www.predtest.uk](http://www.predtest.uk) This will soon be followed by the P2P predictions. It is planned that following these trials the RSGB website will host the predictions. Comments and suggestions to Gwyn Williams, G4FKH via [g4fkh@sky.com](mailto:g4fkh@sky.com) are welcome

### Congratulations

To the following Members whom our records show as having reached 70, 60 or 50 years' continuous Membership of the RSGB.

70 years	
Mr H H A Sanders	G3CRH
Mr P W F Jones	G3ESY
Mr J D Harris	G3PFJ
60 years	
Mr J T A Ault	G3KTU
Mr O Jackson	G3LKZ
50 years	
Mr C Draper	G3TSK

The RSGB would like to welcome to the RSGB family the following new Members who have joined their voice to ours and are helping to keep the RSGB strong.

Mr J Hitchens, 2E0CFP	Mr B Jenkins, G7PKG	Mr G Jacks, M6GGJ	Mr E Thomas, MW6MTE	Mr P Cook, RS306909
Mr C Spencer, 2E0FCS	Mr R Adams, G8KOD	Mr C Haws, M6HWG	Mr J Moorhouse, MW6ZYQ	Mr K L Waight, RS306927
Mr S Bigmore, 2E0HNO	Mr R Towler, GM0KET	Mr M Hill, M6KNN	Mr R Lefrancois, NC400	Mr J Slade, RS306985
Mr J Whitton, 2E0JCC	Mr G Kunster, K4WQ	Mr L Pinkney, M6LEQ	Mr D Forsey, RS306772	Mr D Murray, RS307015
Mr R Lovaglio, F5RVF	Dr C Paus, LB8BG	Mr A Campbell, M6LFM	Mr A Boone, RS306795	Mr D Toller, RS307030
Mr M Kinder, G0KYB	Mr P Barnes, MODVD	Mr A Brighton, M6LXM	Mr W C Bulte, RS306796	Mr W Nixon, RS307032
Mr B Walker, G1FNF	Mr P Johnson, M0LRQ	Mr A Atkinson, M6RNM	Mr C Khouri, RS306807	Mr I Smith, RS307080
Mr J Forsey, G4ETS	Mr R Morgan, M0RHO	Mr T Holt, M6TIS	Dr F Lukey, RS306827	Mr J A Frantzen, W0TFW
Mr M Piecha, G4RWF	Mr J Worthing, M1BCM	Mr W Wright, M6WIQ	Mr E Blair, RS306846	Mr J C Walton, WQ7K
Mr A Westmorland, G4TRQ	Mr C Andrews, M6FWB	Mr W Jackson, MM0HYM	Mr A Grillott, RS306865	Mr J F Whiteley, WV8JW
Mrs A Kurnatowski, G4XTK	Mr C Bowler, M6FZK	Mr A MacLennan, MM6IAY	Mr M Murphy, RS306870	Mr G L Fulk, WX4F
Mr S W Mumby, G7OWE	Mr K Goringe, M6FZZ	Mr J Jones, MW6FVB	Mr M Bidwell, RS306898	

The RSGB would like to welcome back the following Members who have rejoined the Society.

Mr A Mawby, 2E0MFE	Mr J Thompson, G0SBY	Mr P Donovan, G7DWQ	Mr N W Pagdin, MOPDX	Mr E Rosseel, ON7UI
Mr L Milburn, 2E0ZLM	Mr C J Gresswell, G0WFF	Mr G A Tompsett, G8NNT	Mr B A Bosson, M0SWL	Mr A J C Van der Wagen, PA3GBK
Mr F Freller, DL9RBT	Mr N Barton, G4BZV	Mr W R Magee, G13XLK	Mr C Cowen, M0TBZ	Mr H Forster, RS199606
Mr I McStay, EI7CX	Mr P W Turner, G4IJE	Mr S J Roberts, GM4HWS	Mr P Hadfield, M1TZR	Mr K S Robertson, ZL1AVO
Mr J Spearing, G0BUD	Mr P J Allsopp, G4LCM	Mr S Fraser, GM8NET	Mr G Chester, M6ESN	
Mr G M Clarke, G0FWX	Mr R Hall, G4PGD	Mr D P Turvey, GW4XIH	Mr N Hanson, M6NNC	
Mrs C M Jones, G0LSJ	Mr D P Girling, G4POT	Mr N Draeger, KC9MRW	Mr P J Kirby, M6PKP	
Mr C M Jordan, G0NGN	Mr P Banner, G4TDS	Mr E Czirbesz, M0GXF	Mr T McKee, M10TBV	
Mr J East, G0OQX	Mr R A Hammond, G6RAH	Mr J Godfrey, M0JOH	Mr D B Thomson, MM0EAX	

# Old Timers' Honour Roll

On 31 December 2015, the following had unbroken Membership of the Society for 50 years or more.

- 80 years**  
Mr V J Flowers, G8QM
- 79 years**  
Mr T C Bryant, GW3SB  
Mr J D Wightman, ZL1AH
- 78 years**  
Mr G Openshaw, G2BTO
- 77 years**  
Mr R P B Udall, G2HKS  
Mr A J Hallett, G3CQ
- 76 years**  
Mr L W Smith, G2FSI  
Mr K N Watkins, CD, G3AIK  
Mr F E Springate, G3BWW
- 75 years**  
Mr J Sagar, GW3ARS
- 74 years**  
Mr T Knight, G2FUU  
Mr S W Saddington, G2FXQ  
Mr A J W Rozelaar, RS4590
- 73 years**  
Mr E H Trowell, G2HKU  
Mr H S King, G3ASE  
Mr S H Feldman, G3GBN  
Mr P T Pitts, G3GYE
- 72 years**  
Mr G G Gibbs, G3AAZ  
Mr R Harding, G3AKU  
Mr J W Emmott, G3ANG  
Mr J G Holland, G3GHS  
Mr J Thorn, G3PQE
- 71 years**  
Mr A G Short, G2DGB  
Mr A R Partner, G3HKT  
Mr B Clark, GW3HGL  
Mr R D Thomas, RS558
- 70 years**  
Mr D T Arlette, GOAEW  
Mr B Sykes, G2HCG  
Mr K G Thompson, G3AMF  
Mr R E Sparry, G3BJC  
Mr D R J Adair, G3BVB  
Mr W H Borland, G3EFS  
Mr J F Stratfull, G3IJS  
Mr P J Williams, GW3CZC  
Mr J E T Lawrence, GW3JGA  
Mr A R A Bunnage, RS20428  
Mr J Smith, RS9475  
Mr F W Adderley, RS9710  
Mr N A Champness, W2CIH
- 69 years**  
Mr M Warriner, GOTTG  
Mr W G Bailey, G2CHI  
Mr P V Pugh, G2CQX  
Mr R L Edginton, G3AGF  
Mr S Fenwick, G3AIO  
Mr A G Stacey, G3BXS  
Mr H H A Sanders, G3CRH  
Mr B H Thwaites, G3CVI  
Mr J D Matthews, G3ENG  
Mr K I Procter, G3EPO  
Mr P W F Jones, G3ESY  
Mr E F Jones, G3EUE  
Mr G A Errock, G3HCO  
Mr J D Harris, G3PFJ  
Mr V A Tomkins, G4KEE  
Mr K Wilks, G8MVD  
Mr H J Darling, RS644  
Mr P Zeid OBE Fisp, VK6PZ
- 68 years**  
Mr J D Heys, G3BDQ  
Mr A Bolton, G3BMI  
Mr G Cripps, G3DWW  
Mr P W Bowles, G3ECM
- Mr K G Perkins, G3EDS  
Mr J C Bird, G3GIH  
Mr B W Legrys, G3GOT  
Mr J Bazley, G3HCT  
Dr J C W Ickringill, G3HHU  
Mr E C Clayson, G3IHY  
Mr H E Smith, G3IVF  
Mr D J Durrant, G3MUI  
Mr G A Couzens, G3NTA  
Mr R A Bravery, G3SKI  
C B H Bradshaw, G3VHP  
Mr M J L Fadil, G4CCA  
Mr D C Hepworth, G4LXK  
Mr T P Hughes, GM3EDZ  
Mr J Hayes, GW3FPH  
Mr J Cairns, GW3ITT  
Mr D A Pillely, VK2AYD
- 67 years**  
Mr F Pilkington, EA7FSF  
Mr N L H Williams, G3BYG  
Mr R G McDonald, G3DCZ  
Mr D H Maclean, G3DNQ  
Mr J Vaughan, G3DQY  
Mr B A Armstrong, G3EDD  
Mr R Staniforth, G3EGV  
Mr G C Bagley, G3FHL  
Mr E C Lambert, G3FKI  
Mr J A Lambert, G3FNZ  
Mr J D Forward, G3HTA  
Mr D C Mainhood, G3HZW  
Mr E J Hatch, G3ISD  
Mr I M Waters, G3KKD  
Mr E W Bettles, G3KXE  
Mr P H Brown, G3WUZ  
Mr D Oswald, GM3COQ  
Mr J Reilly, GM3HOM  
Mr J B Armstrong, GW3EJR  
Mr B M Collings, RS17032  
A M C Macklow-Smith, RS17058  
Mr F J W Trollope, RS4190  
Mr G S Bracewell, VK3XX
- 66 years**  
Mr F J Crisp, G3GZJ  
Mr J Anthony, G3KQF  
Mr J Hague, GM3JJI  
Mr R Thomson, GM3OBC  
Dr D A Wardlaw, VK3ADW
- 65 years**  
Mr J G Houghton, G1KEP  
Mr W E Waring, G3GGS  
Mr T I Lundegard, G3GJW  
Mr J Lacey, G3GLB  
Mr T N Green, G3GLL  
Mr F E A Green, G3GMY  
Mr D Atter, G3GRO  
Mr G Halse, G3GRV  
Mr F Robins, G3GVM  
Mr B J Mitchell, G3HJK  
Mr D W Willies, G3HRK  
Mr A G Bounds, G3KDP  
Mr J D Smith, G3KGW  
Mr E Prince, G3KPU  
Mr K Frankcom, G3OCA  
Mr K W Dewes, G3PMW  
Mr R A Rimmer, G3RQS  
Mr A W Wright, GM3IBU  
Mr R G Clement, RS18978  
Mr M B Greenberg, RS20443  
Mr A J Gibbs, VK6PG
- 64 years**  
Mr E McFarland, G3GMM  
Mr H C Young, G3HIA  
Mr D A Wood, G3HKO  
Mr F Watson, G3HRE  
Mr S P Hay, G3HYH  
Mr J Allan, G3IJA  
Mr G S Garrett, G3IJW  
Mr C J Leal, G3ISX  
Mr R Davis, G3IUZ  
Mr D Youngs, G3JIE  
Mr P C Hayward, G3JMX
- Mr J W Fox, G3KHR  
Mr J Burgess, G3KKP  
Mr T W Mitchell, G3LMX  
Mr S Harle, G3MEA  
Mr D Rosen, G3MZO  
Mr J D Nias, G3VRB  
Mr M J Palmer, G8BOP  
R E W Marshall, G8HLE  
Dr G R Sutherland, GMOUPE  
Col G Lyon, VK6LK
- 63 years**  
Mr A J Turner, G0FMU  
Mr C N Chapman, G2HDR  
Mr D M Mallett, G3HUL  
Mr S J Heard, G3IEW  
Mr K H Coates, G3IGU  
Mr J W Birkbeck, G3IGV  
Mr D W Bruce, G3IGZ  
Mr R T Craxton, G3IKL  
Mr A A Chisholm, G3INL  
Mr N R Pascoe, G3IOI  
Mr R Franklin, G3ITH  
Mr K V Blanchard, G3JKF  
Mr W Wanchand, G3JKV  
Mr F G Blain, G3JLN  
Mr J Guttridge, G3JQS  
Mr J Kirby, G3JYG  
Mr P O Hooper, G3KSP  
Mr K Wallace, G3LQW  
Mr H Taylor, G3LWK  
Mr E Griffiths, G3LZG  
Mr S A Gaunt, G3PXJ  
Mr M Mills, G3TEV  
J A St. Leger, G3VDL  
Mr D M Pratt, G4DMP  
Mr D A D Smith, G8IDL  
Mr R I Pryde, GM3LGU  
Miss J G Fish, GM3NYG  
Mr D A S Holmes, GW3JSV  
Mr R Jones, GW3MDK  
Mr M Addicott, RS19615  
Mr J C P Sharp, RS21683  
Mr R Parker, RS303308
- 62 years**  
Mr R J Appleby, G3INU  
Mr H Hyman, G3IZQ  
Mr N B Cottrell, G3JFR  
Mr E W G Allen, G3JHP  
Mr M Watson, G3JME  
Mr V E Brand, G3JNB  
Mr T R Whittaker, G3JNM  
Mr M G Rimmer, G3KDA  
Mr G J McGee, G3MDM  
Mr P E W Alley, GW3KJW  
Mr A Ernest, GW3LQE  
Mr G C Price, GW3MPP  
Mr P A Braham, GW4BYA  
Mr M Probert, GW4HXO  
Mr A Kightley, RS20103
- 61 years**  
Mr J A Hardcastle, G3JIR  
Mr D A Platt, G3JNJ  
Mr F G Whatley, G3JOT  
Mr G C Voller, G3JUL  
W J Grainger, G3JYO  
Mr M Pharaoh, G3LCH  
Mr P J Aitchison, G3LSQ  
Mr A R Smith, G3MPB  
Mr P Sorab, G3NDO  
Mr A B Woolford, G3SNN  
Mr R J Pye, G4IUH  
Mr B Jayne, G8BFL  
Mr P Cohen, GM3LKY  
Mr M Harrington, RS20249  
Mr L Foster, RS20323
- 60 years**  
Mr J E Mulye, G0VEH  
Mr M E Lambeth, G2AIW  
Mr J V Hoban, G3EGC  
Mr R M Page-Jones, G3JWI  
Mr J E Smith, G3JZF  
Mr G E Mackrell, G3KAX  
Mr R Bray, G3KEL
- Mr R Robson, G3KGB  
Mr D MacLennan, G3KGM  
Mr B Alderson, G3KJX  
Mr D G Alexander, G3KLH  
Mr D G Enoch, G3KLZ  
Mr J Greenwood, G3KRZ  
Mr G P Rigby, G3KTJ  
Mr J B Butcher, G3LAS  
Mr M Hayward, G3LGA  
Mr G H Taylor, G3MDC  
Mr C A Hogg, G3NRZ  
Mr R Scaife, G3RSB  
Dr T R Skrbic, G3TOE  
Mr J C Alford, G4DOE  
Mr A D Patterson, G3KYP  
Mr T I Kennedy, GM3OYO  
Mr J H Birkett, RS20842  
Mr J H Reisert, W1JR
- 59 years**  
Mr P Craw, G3CCX  
Mr P C Cole, G3JFS  
Dr K L Smith, G3JIX  
Mr M Street, G3JKX  
Mr C H Noden, G3JPB  
Mr K G Grover, G3KIP  
Mr D H Plumridge, G3KMG  
Mr W T Addy, G3KRX  
Mr J T A Ault, G3KTU  
Mr J D G Davies, G3KZE  
Mr D W Blakeley, G3KZN  
Mr R E Wolpers, G3LCB  
Mr D A Shepherd, G3LCS  
Mr R J Cooke, G3LDI  
Mr K Day, G3LDJ  
Mr C B C Hill, G3LGS  
Mr D Webber, G3LHJ  
Dr M J Underhill, G3LHZ  
Mr O Jackson, G3LJK  
Dr A Hodgkinson, G3LLJ  
Mr R Scrivens, G3LNM  
Mr G Dale, G3MFH  
Mr P T Burt, G3NBQ  
Mr E N Cheadle, G3NUG  
Mr D W Stevens, G3NWX  
Mr A J Balmforth, G3RQK  
Mr A R Stevenson, G3YNT  
Mrs B A Long, G8FKY  
Mr A Kettleby, G8HTN  
Mr H R Mesny, GJ3LFJ  
Mr F Clayton-Smith, GM3JKS  
Mr V W Stewart, GM3OWU  
Dr J C Craig, VO1FB
- 58 years**  
Mr F L Wiseman, G3GRY  
Mr M Harrison, G3HKH  
Mr L J Loveland, G3KZX  
Mr R L Gerrard MBE, G3LAZ  
Mr B E Gee, G3LDG  
Mr R D Taylor, G3LDY  
Mr R D Muir, G3LHN  
Mr J Gale, G3LLK  
Mr B M Johnson, G3LOX  
Mr E Pickering, G3LPS  
Mr P N Ackley, G3LRP  
Mr C H Evans, G3LUO  
Mr F Griffiths, G3MED  
Mr A V H Davis, G3MGL  
Mr D Johnson, G3MPN  
Mr K Ashcroft, G3MSW  
Mr F E Garrett, G3MVZ  
Mr R J Weaving, G3NBN  
Mr C R Burchell, G3NKQ  
Mr D Thom, G3NKS  
Mr M E Slater, G3NML  
Mr J Hogg, G3NUA  
Mr A B Plant MBE, G3NXC  
Mr W H Fletcher, G3NXT  
Mr S J Gilbert, G3OAG  
Mr R M G Maule, G3OEF  
Mr E D Wilson, G3OJQ  
Mr D W Thompson, G3OXG  
Mr D J Penny, G3PEN  
Mr R W Fisher, G3PWJ  
Mr D E Waller, G3SUL  
Mr J E C Baldwin, G3UHK
- Mr W J C Pinnell, G3XWK  
Mr A V Evans, G3ZZX  
Mr J Juleff, G4MXU  
Mr W Clinton, G8KZN  
Mr D B Whitfield, G8VMY  
Mr J F Gray, GM3LRG  
Mr M Williams, GW3LCQ  
Mr G H Price, GW3LXI  
Mr J E Orme, RS21408  
Mr R N Jones, RS25982  
K J Slomczynski, SP5HS
- 57 years**  
Mr G R Watts, G0EVB  
Mr R J Oram, G0FXI  
Mr P K Hamblett, G0TKT  
The Lord Rix, CBE, DL, G2DQU  
Mr D Blake, G2FT  
Mr R W Emery, G3FYZ  
Prof L W Barclay, G3HTF  
Mr D G Pinnock, G3HVA  
Mr P M Rackham, G3IRQ  
Mr R T Bowden, G3IXZ  
Mr J E Cleave, G3JVC  
Mr J E Symes, G3LNN  
Mr R Brown, G3LQP  
Mr P K Blair, G3LTF  
Mr R W B Smith, G3LVW  
Mr P Buck, G3LWT  
Mr M Scott, G3LYP  
Mr J D Masters, G3MBM  
Mr B Vaughan, G3MCV  
Mr W J Kennedy, G3MCX  
Mr J S E Pearce, G3MEC  
Mr R E Piper, G3MEH  
Mr E J Landon, G3MHT  
Dr T G Langdon, G3MHV  
Mr D Nappin, G3MLS  
Mr G A Whiting, G3MMS  
Mr H J Benjamin, G3MNB  
Mr D L Byne, G3MRQ  
Mr R A Strafford, G3MRT  
Mr G F Gott, G3MUO  
Mr D A Beales, G3MWO  
Mr D R Paice, G3MXK  
Mr C K Richardson, G3NAE  
Mr G Mallinson, G3NAK  
Dr J E Larson, G3NBL  
Mr C R Fry, G3NDI  
Mr J T Leviston, G3NFB  
C L Desborough, G3NNG  
Mr M T George-Powell, G3NNO  
Mr D B Foster, G3NRU  
Dr P G Robson, G3NZK  
Mr D Bemister, G3OBX  
Mr R P Welch, G3OFX  
Mr J Rose, G3OGE  
Mr R A Hargreaves, G3OHH  
Mr J Sleight, G3OJI  
Mr M W Plaster, G3OJL  
Mr A J Hobbs, G3OJX  
Mr D A Skye, G3PLR  
Mr C Thomas, G3PSM  
Mr I G Dufour, G3PWB  
Mr R E Parkes, G3REP  
Rev J L Marshall, G3RKH  
Mr M S Box, G3RZG  
Mr M Shardlow, G3SZJ  
Mr L P Best, G3THM  
Mr J R Shewan, G3UZZ  
Mr R I Buckley, G3VGW  
Mr M D Watson, G3WMQ  
Mr B M Crook, G4AZN  
Mr R J Lister, G8IXP  
Mr D Young, G8TWW  
Mr T Sorbie, GM3MXN  
Prof J D Last, GW3MZY  
Mr L France, GW3PEX  
Mr R D Pearson, MOCTM  
Mr W J M Hume, RS26142  
Mr A C Doty Jr, W7ACD  
Mr J R Blackman, ZS1PM
- 56 years**  
Mr E Chicken MBE, G3BIK
- Mr M J Stevens, G3CPN  
Mr R L Chidzey, G3IOM  
Mr P J Wright, G3JDM  
Mr A Shannon, G3KKJ  
Mr C A Mattacks, G3KQQ  
Mr P Whitford, G3MME  
Mr A S Walker, G3MPW  
Dr G H Grayer, G3NAQ  
Mr W K Ginder, G3NAS  
R K Webb, G3NDK  
Mr L R Beckwith, G3NFP  
Mr G L Quarterman, G3NHX  
Mr G Munden, G3NIL  
Mr H White, G3NWK  
Mr H E Perkins, G3NMH  
Mr E H Matthews, G3NPL  
Mr E S Collin, G3NQV  
Mr J W Heaviside, G3NYX  
Mr R J Powell, G3OGP  
Mr I Jackson, G3OHX  
Dr R A Simpson, G3OMS  
Mr J Denman, G3OND  
Mr R Burns, G3OOU  
Mr D A Evans, G3OUF  
Mr J G Wilcox, G3OYF  
Mr G J Petrie, G3PDG  
Mr B D Simpson, G3PEK  
Mr A W Tomalin, G3PTB  
Mr A L Gray, G3RBG  
Mr R G Dobdinson, G3RGD  
Mr I Macey, G3RVD  
Mr J A Strutt, G3SAS  
Mr A P Hewitt, G3SVD  
Lt Col J G Barber, G3TTJ  
Mr H M Davison, G3TVM  
Mr M D Leighton, G3UKM  
Mr L S Margolis, G3UML  
Dr T G Langdon, G3USC  
Mr M Foster, G3VOF  
Mr P Beecroft, G3WVY  
Mr P L A Burton, G3ZPB  
Mr H R Perrin, G4AFY  
Dr B Chambers, G8AGN  
Mr M J Bonner, G8ALB  
Mr M Hearsey, G8ATK  
Mr M Wallace, G8AXA  
Mr R H Chambers, G8BCA  
Mr T Harrison, GM3NHQ  
Mr A E Gwynne, GW3LNR  
Dr B G Taylor, HB9ANY  
Mr E J Kelly, KG6XF  
Mr G G Gemmill, RS22502  
Mr H J Randall, RS25603  
Mr D M Willoughby, RS27261
- 55 years**  
Mr A Prichard, G0CPA  
Mr J Crerar, G3BYV  
Mr G D Lively, G3KII  
Mr G Jenner, G3KIV  
Mr R E Hardman, G3LGV  
Mr S J W Freeman, G3LQR  
Dr A E Wilson, G3MAE  
Mr B C Gibbs, G3MBN  
Mr R Wheeler, G3MGW  
Mr E K Tunstall, G3MSO  
Mr R C Bell, G3NIE  
Mr K A Morgan, G3NWX  
Mr A J Taylor, G3NYE  
Mr A J Melia, G3NYK  
Mr T C Haydu Jones, G3OAD  
Mr W A Jeffs, G3OAF  
Mr C Bowden, G3OCB  
Mr D A G Martin, G3ODC  
Mr M S Beer, G3OGZ  
Mr G Badger, G3OHC  
Mr J C G Parker, G3OLX  
Mr P E Judkins, G3OMJ  
Mr D S Moffatt, G3RAU  
Mr D C Sylvester, G3RED  
Mr D R Mullins, G3RGM  
Dr A J Shepherd, G3RKK  
Mr M J T Smith, G3RMN  
Mr A Notschild, G3RSF  
Mr A T James, G3RUV

Mr R W L Limebear, G3RWL  
 Mr P J Cort-Wright, G3SEM  
 Mr P J Hart, G3SJJ  
 Mr L P J Lethbridge, G3SXE  
 P W Myers, G3UWT  
 Mr J Greaves, G3UXM  
 Mr W J McClintock, G3VPK  
 Mr P Barville, G3XSJ  
 Mr J E Kasser, G3ZCZ  
 Mr M Duce, G4BQF  
 Mr D H Squires, G4DAC  
 Mr N J L Lockett, G4EMB  
 Mr G P Gaunt, G4IJO  
 Mr K Aaron, G4KCI  
 Mr L Arnold, G8AHE  
 Mr R A Fuller, G8CEZ  
 Mr J J Pink, G8MM  
 Mr F C Thorogood, G8ORV  
 Mr G Hodgkinson, G17PO  
 Mr L D Woolf, G3J3RAX  
 Mr H R Thornton, GM3PKV  
 Dr A J Masson, GM3PSP  
 Mr J F Kelly, GM3TCW  
 Mr R Andrew, GM3WFJ  
 Mr G R Kelly, GM8MST  
 Mr A E Pritchard, GW30DB  
 Mr K Robbins, GW3PFV  
 Mr A Richards, GW3SFC  
 Mr D W Bowers, GW4AVC  
 Mr A J Richards, GW4RYK  
 Mr G A S Lander, HB9AJU  
 Mr D Gray, MODLL  
 Mr M A Hoare, RS22800  
 Mr M J J Dawe, RS23071  
 Mr M T Bland, RS24640  
 Dr D J Harvey, RS25435  
 Mr H C Kingsland, 7Q7HK

**54 years**

H Hensler, DL6DZ  
 Mr P G O'Kane, EI5DI  
 Mr A Martin, F5VAI  
 Mr D G Dawkes, G0ICJ  
 Mr E L Masters, G0KRT  
 Mr W J Purser, G2AXO  
 Mr D Beattie, G3BJ  
 Mr J W Swift, G3CTP  
 Mr J France, G3KAF  
 Mr A M Pomfret, G3LZZ  
 Mr C D Stephens, G3MGS  
 Mr B S Collins, G3MXA  
 Mr J R Vickers, G3ORI  
 Mr A G Rumbold, G3ORX  
 Mr R G Titterington, G3ORY  
 Mr D R Westbury, G3OXL  
 Mr D Swainson, G3OXN  
 Mr B Davies, G3OYU  
 Mr J Holstead, G3OZC  
 Mr R E A German, G3OZT  
 Mr J J Davies, G3PAG  
 Mr J Rabson, G3PAI  
 Mr A J Baker, G3PFM  
 Mr H A Buckenham, G3PGN  
 Mr J J Morris, G3PHA  
 Mr P Day, G3PHO  
 Mr P Chandler, G3PID  
 Mr J E Hoare, G3PIJ  
 Dr B Whelan, G3PJT  
 Mr R W Cox, G3PLP  
 Dr R G Fenby, G3PLS  
 Mr J P Martinez, G3PLX  
 Mr A J Feist, G3PMV  
 Mr A Floyd, G3PNQ  
 Rev I S Partridge, G3PRR  
 Mr P Blakeborough, G3PYB  
 Mr J L Green, G3PYF  
 Mr R J Parsons, G3RBP  
 Mr D C Griffiths, G3RDQ  
 Mr A J Pampling, G3RSP  
 Mr R V Southern, G3RST  
 Dr J S J Craig, G3SGR  
 Mr R G Pett, G3SHK  
 Dr J R Whittington, G3SHZ  
 Mr R L Turner, G3SMD  
 Mr W M Furness, G3SMM  
 Mr K F Jessop, G3TAA  
 Mr M J G Dawson, G3TCL  
 Mr E H Ingram, G3TDX  
 Mr W B Bickham, G3TJH  
 Mr M J Nicholas, G3TOI  
 Mr G Grimshaw, G3TQX  
 Mr R T Collins, G3TRC  
 Mr A C L Coates, G3TVV  
 Prof M Harrison, G3USF  
 Mr J L Delves, G3VHH  
 Mr A Davis, G3VTR  
 Mr G Oakes, G3WRK  
 Mr C J Langley, G3XGK

Mr R G Davy, G3XVF  
 Mr R Cutbush, G4ADK  
 Mr R J Taylor, G4BEL  
 Mr R Wells, G8BNR  
 Mr H Skelhorn, G8BPU  
 Mr G F Wilks, G8DVJ  
 Mr M T Bowen, G8DWA  
 Mr D L Edmonds, G8EWN  
 Mr N E Brown, G8NCK  
 Mr A S Foster, GM30XA  
 Mr J Carson, GM30XK  
 Mr C S Penna, GM3POI  
 Mr J G Walford, GM3POT  
 Prof I A Macpherson, GM3RXU  
 Mr G A Hunter, GM3ULP  
 Mr N J Dudman, GW8GGW  
 Mr P W Whipples, M0PWW  
 Mr D S Kendall, N6HEQ  
 Mr M E Kensdale, RS23278  
 Mr T G B Hobbs, RS24754  
 Mr T P Flinn, RS30993  
 Mr J A Fuge, VP9FI

**53 years**

Mr D K McDermott, EI4DW  
 Mr B W N Harris, G3GTF  
 Mr B J Newman, G3MMN  
 Mr R Harris, G3OTK  
 Mr C J W Thomson, G3PEM  
 Mr L G Sear, G3PPT  
 Mr L D Rooks, G3PUO  
 Mr J B W Braithwaite, G3PWK  
 Rev A Speight, G3PYW  
 Mr E D Hodgson, G3RAR  
 Mr A F Stables, G3RBY  
 Mr A W Kendrick, G3RDW  
 Mr H Neale, G3REH  
 Mr K J Randall, G3RFH  
 Mr D J Thomson, G3RGS  
 Mr D Carden, G3RIK  
 Mr N Ackerley, G3RIR  
 Mr C M Garland, G3RJT  
 Mr M S Vann, G3RLV  
 Mr R Collins, G3ROC  
 Mr J Pennington, G3RTP  
 Mr M A Sanders, G3RWW  
 Mr A A Lawrance, G3RZV  
 Mr G D Aram, G3SET  
 Mr P J Casemore, G3SGF  
 Mr B Naylor, G3SHF  
 Mr I B Hamill, G3SMF  
 Mr P Torry, G3SMT  
 Mr R H Jennings, G3SOE  
 Mr R P Smith, G3SVW  
 Mr P Whitchurch, G3SWH  
 M A Trundle, G3TCG  
 Mr O S Tillett, G3TJP  
 Mr R Farrance, G3TRH  
 Mr N Cawthorne, G3TFX  
 Mr R McNair, G3UBZ  
 Mr R J Constantine, G3UGF  
 Mr M I Vincent, G3UKV  
 Mr P B Johnson, G3UMV  
 Mr M Farmer, G3VAO  
 Mr B Clark, G3VCL  
 Mr C W Westwood, G3VFD  
 Mr R Bailey, G3WCQ  
 Mr R Laphorn, G3XBM  
 Mr R Hargreaves, G3XZQ  
 Mr FA G Bourne, G3YJQ  
 Mr M J Quee, G3ZWW  
 Mr D J Jarvis, G4CEU  
 Mr B J Payne, G4CJY  
 Rev J A Wardley, G4CVA  
 Mr D F Berry, G4DFB  
 Mr M J Cooke, G4DYC  
 Dr J C Axe, G4EHN  
 Mr L M Rose, G4KAB  
 Mr R Singleton, G70XP  
 Mr R S Boardall, G8AJZ  
 Mr M R Perry, G8AKX  
 Mr C Towns, G8BKE  
 Mr J P Abbott, G8CWX  
 Mr W S Steer, G8CYG  
 Mr H Parker, G8GUN  
 Mr R J C Davey, G8MRI  
 Mr C G Bristol, G13PSQ  
 Mr G Burt, GM30XX  
 Mr G Henderson, GM3RTJ  
 Dr R D Harkess, OBE, GM3THI  
 Mr R H G Weaver, GW3KXX  
 Mr J H Jones, GW3TMP  
 Dr C G Potter, MODDT  
 Mr E Penikis, VK1VP  
 Mr H R Tyreman, VK2BHT

Mr J Kaplan, W9QKE

**52 years**

Mr L P Purcell, EI6D  
 Mr B J Giddings, G1JLG  
 Mr A J Gould, G3JKY  
 Mr R G Heslop, G3KMQ  
 Mr R W Nolan, G3KWK  
 A R Preedy, G3LNP  
 Mr P W F Darragh, G3MNV  
 Mr J H Moxey, G3MOE  
 Mr S Kay, G3OMA  
 Mr D Beakhuist, G3OSQ  
 Mr J Garrett, G3RHP  
 Mr B Turner, G3RLE  
 Mr W H Hall, G3RMX  
 Mr T J Venn, G3RPV  
 Mr P Lewis, G3RQX  
 Mr P M Madagan, G3RQZ  
 Mr R H Crowe, G3RVA  
 Mr J M Walch, G3RVI  
 Mr C I B Trussion, G3RVM  
 Mr P N Henwood, G3RWF  
 Mr P Chadwick, G3RZP  
 Mr R C Marshall, G3SBA  
 Rev G A Stanton, G3SCV  
 Mr R Brown, G3SCZ  
 Mr J J Bottom, G3SDG  
 Dr B R H King, G3SGK  
 Mr R Cottrell, G3SHY  
 Mr J C Burbanks, G3SJJ  
 Mr G M Smith, G3SNO  
 Mr E Taylor, G3SQX  
 Mr P H McPherson, G3TEL  
 Mr J J Walters, G3THW  
 Mr E Ross, G3TJC  
 Mr G C Wynes, G3TLV  
 Mr M Smith, G3TRV  
 Dr R J Butcher, G3UDI  
 Mr D M Browning, G3UEY  
 Mr D G Mason, G3USD  
 Mr R A J Smith, G3VKT  
 Mr I Walker, G3VNY  
 Mr D Aslin, G3WGN  
 Mr J Hartley, G3WQG  
 Mr Z Skrobanski, G3XZD  
 Mr R G Harris, G3ZFR  
 Mr P D Hall, G4AQA  
 Mr T G Giles, G4CDY  
 Mr JA Cobley, G4RMD  
 Mr J N Houldrige, G6KYD  
 Mr D Mann, G8ADM  
 Mr G Smith, G8AOM  
 Mr G Swan, G8ASJ  
 Dr R Gaydon, G8ATC  
 Mr N D Fisher, G8ATO  
 Mr J D Bosworth, G8BAV  
 Mr R B Harbison, G13PDN  
 Mr H A Sinclair, G14GOS  
 Mr B N Nelson, G14KBM  
 Dr H Brash, GM3RVL  
 Mr I M G Miller, GM4JAE  
 Mr A R B Gordon, GM6RXQ  
 Mr D M Thomas, GW3RWX  
 Mr R F C Alban, GW3SPA  
 Mr S Hulme, GW3SRM  
 Mr B Carter, GW8AAG  
 Mr F R Hopwood, GW8BIA  
 Mr J H Tait, GW8MGF  
 Mr R Otterstad, LA5HE  
 Mr John Devoldere, ON4UN  
 Mr K H Hagemans, PA0JOH  
 Mr J Willerton, RS19211  
 Mr S B Harrison, RS20102  
 Mr C A Cooper, RS25672  
 Mr PV Lingham, RS38098  
 Mr D Dunn, VK3DBD  
 Mr T S Cooper, ZS1PS

**51 years**

P Steppanton, DL7BAT  
 Mr R A Ball, GOINZ  
 Mr T H Gonsalves, G00YJ  
 Mr G Fare, G30GQ  
 Mr S Revell, G3PMJ  
 Mr I Walker, G3RJF  
 Mr P D Lee, G3SPL  
 Mr J J Jarvis, G3SUG  
 Mr D R Coltart, G3SYM  
 Mr B C Ward, G3SZV  
 Mr C J Lambert, G3TA  
 Mr W Eaton, G3TAA  
 Mr J C Boydell, G3TAX  
 Mr J D Cree, G3TBK  
 Mr A S Bye, G3TCI  
 Mr G F Kimbell, G3TCT  
 Mr C R Bonner, G3TGF  
 Mr D R Stimson, G3THC

Mr D R French, G3TIK  
 Mr P S Duncan, G3TKA  
 Mr D F Heathershaw, G3TLI  
 Mr G Parkhurst, G3TOZ  
 Mr R A W Stevens, G3TVI  
 Mr I D Brown, G3TVU  
 Mr D Fill, G3UBB  
 Mr J P H Burden, G3UBX  
 Mr L L N Cobb, G3UI  
 Mr D Houghton, G3UPY  
 Mr P Carey, G3UXH  
 Mr C Pedder, G3VBL  
 Mr R G Luckock, G3VDX  
 Mr D N Davison, G3VFX  
 B R G Hutchinson, G3VGH  
 Mr D J Aldridge, G3VGR  
 Mr E J Harland, G3VPF  
 Mr D T M Clemens, G3VXM  
 Mr I F Peterkin, G3WDU  
 Mr K Griffiths, G3WIC  
 Mr J W Hall, G3WLD  
 Mr P Smith, G3WPB  
 Mr S W Powell, G3WRA  
 Mr P G Brooker, G3WXC  
 Mr A Strong, G3WXI  
 Mr J K Gibson, G3WYN  
 Mr G J Bedwell, G3XYX  
 Mr F Wilson, G3YQA  
 Mr H Tabberer, G3YVK  
 Mr P J Marcham, G3XYZ  
 Mr J Yu, G3ZQT  
 Mr J P Billingham, G4AGQ  
 Mr D J Butler, G4ASR  
 Mr G E Austin, G4DPA  
 Mr T Jewell, G4ELM  
 Mr J M Butcher, G4GJW  
 Mr B Coleman, G4NNS  
 Mr P Herman-Cranmer, G4TFF  
 Mr J O Haile, G8ADC  
 Mr P Helm, G8AEN  
 Mr C G Partridge, G8AUI  
 Mr K Rothwell, G8EAP  
 Mr G D Drinkwater, G8GCU  
 Mr E S Campbell, G8PHS  
 Mr A K Sinclair, G8TNS  
 Mr S Dorman, G13TNK  
 Mr J T Barnes, G13USS  
 Mr M J W Hamilton, GM3TAL  
 Mr V T Budas, GM3VTB  
 Dr B W Flynn, GM8BJF  
 Mr P A Miles, GW3KDB  
 Mr R Volck, GW3RKY  
 Mr K J Winnard, GW3TKH  
 Mr C S Carver, GW4EYO  
 Mr P J W Rowell, RS12236  
 Mr G Ferguson, RS26003  
 Mr W Inglis, RS26642  
 E D Moustakas, SV1AN  
 Mr G M Potgieter, ZS5NK

**50 years**

Mr A Cobb, G0WJK  
 Mr G F Brown, G2BJK  
 Mr N E A Rush, G3HBZ  
 Mr J H Halman, G3JNP  
 Mr R E Tucker, G3KTC  
 Mr R E McHenry, G3NSM  
 Mr T Boucher, G3OLB  
 Mr A Ash, G3PZB  
 Mr J R Hey, G3TDZ  
 Mr R W Thompson, G3TKF  
 A Robinson, G3TQA  
 Mr R D Allan, G3TQZ  
 Mr K M Orchard, G3TTC  
 J E Harknett, G3TVH  
 Mr M H Roach, G3TJW  
 Mr B Tiffany, G3TXX  
 Mr T Morgan, G3UAS  
 Mr E C Madders, G3UUA  
 Mr R H Stansfield, G3UAX  
 Mr E A Sweetman, G3UAZ  
 Mr W T Guilfoyle, G3UBC  
 Mr D I Gould, G3UEG  
 Mr M P Taylor, G3UFG  
 S V Knowles, G3UFY  
 Mr C E Houlty, G3UHS  
 Mr B T Davis, G3UJB  
 Mr R M M Heath, G3UJV  
 Mr P A Hopwood, G3UKH  
 Mr M J Newton, G3UKW  
 Mr M Hibbitt, G3ULN  
 Mr J F Wilson, G3UUT  
 Mr M R G Simpson, G3UVM  
 Mr J S Curry, G3UVU  
 Mr M R Smart, G3UXQ  
 Mr P Kemble, G3UYK

Mr R Hemmings, G3VCT  
 Mr T Chipperfield, G3VFC  
 Mr J E Longhurst, G3VLH  
 Mr M G Pritchard, G3VNQ  
 Mr J S Wright, G3VPV  
 Mr P R Lamb, G3VRW  
 Mr B E Ellis, G3VXF  
 Mr J Doswell, G3VYE  
 Mr R G Chamberlain, G3VYU  
 Mr J Crabbe, G3WFM  
 Mr D C Holland, G3WFT  
 Mr S Williamson, G3WGU  
 Dr G Bulger, G3WIP  
 Mr G Macnaught, G3WVW  
 Mr D Minett, G3WPP  
 Mr D F Chalmers, G3WQG  
 Mr K A M Fisher, G3WSN  
 Mr M K Taylor, G3WTA  
 Mr J P Smith, G3WTS  
 Mr J M Teed, G3WWT  
 Mr D Dade, G3XCT  
 Mr G Everest, G3XUP  
 Mr PW Crust, G3XYC  
 Mr D Woodhall, G3ZGZ  
 Mr P Rodmell, G3ZRS  
 Mr R Dunham, G3ZSQ  
 Mr G W Dover, G4AFJ  
 Mr D P Warner, G4AFQ  
 Mr K R Punshon, G4APJ  
 Mr P Bradshaw, G4CTE  
 Mr R A Harris, G4FFA  
 Mr C R Caine, G4IWS  
 Mr P Senior, G4JNL  
 Mr K G Pollard, G4KGP  
 Mr K Hancock, G4KIY  
 Mr D Ross, G4LOO  
 Mr S L Berry, G4LRT  
 Mr P Collett, G4LYC  
 Mr D Earnshaw, G4MZF  
 Mr C Trayner, G4OKW  
 Mr T E J Toth, G4ORF  
 Mr D Fillingham, G4OVR  
 Mr B T Collins, G4ULA  
 Mrs M A Newnham, G6NZ  
 Mr S Birkill, G8AKQ  
 Mr H Bate, G8AMD  
 Mr C D Plummer, G8APB  
 Mr I R G Gurton, G8ASP  
 Mr A J Whittaker, G8BFM  
 Mr A Marshall, G8BUR  
 Mr C D Jameson, G8CDJ  
 Mr M E Baxter, G8DHU  
 Dr J G Davies, G8EBJ  
 Mr G R Diacon, G8EWT  
 Mr T G Lambert, G8EZX  
 Mr M R Thompson, G8DJIU  
 Mr V I Gracey, G13WEM  
 Mr E K Dons, GM0AXY  
 Mr J McCall, GM3HGA  
 Mr C B Rattray, GM3HYX  
 Mr W G Cecil, GM3KHH  
 Mr I G Drysdale, GM3TYS  
 Mr W P Wright, GM3UCH  
 Mr C Weston, GM3VAP  
 Mr D Cossar, GM3WIL  
 Mr M D Collar, GM8AGM  
 Mr M B Briscoe, GM8AOB  
 Mr D J Ozanne, GU3UMX  
 Mr P P le Boutillier, GU3UOQ  
 Mr A E Peake, GW3SRG  
 Mr I Jones, GW3TLP  
 Mr K E Godfrey, GW3VEW  
 Mr M Hughes, GW3VFZ  
 Mr M A Shelley, GW3XJQ  
 Mr R J Gregory, GW8FNO  
 G Moda, I7SWX  
 Dr D A Nicole, MOCYJ  
 Mr D D Kaye, RS26890  
 Mr H Pitchford, RS27350  
 Mr C R Baker, VK3GMR  
 Mr B Pope, VK4BAP  
 Mr M J Rogers, ZS1RZ

**Clubs**

**81 years**

Coventry ARS, G2ASF

**79 years**

Royal Air Force ARS, G8FC

**69 years**

S Hampshire ITS, G3DIT

**68 years**

Sutton & Cheam RS, G2XP

Manchester WS, G5MS  
 Yeovil ARS, G3CMH

**67 years**

Derby & DARS, G2DJ  
 Stoke-on-Trent ARS, G3GBU  
 Wirral ARS, G3NWR  
 Isle of Man ARS, GT1IOM

**66 years**

Spenn Valley ARS, G3SVC

**65 years**

Dorking & DRS, G3CZU  
 West Kent ARS, G3WKS

**64 years**

Cambridge & DARC, G2XV

**63 years**

York ARS, G3HWW  
 Stockport RS, G6UQ

**59 years**

Bury RS, G3BRS  
 Medway ARS, G5MMW

**58 years**

Crystal Palace Radio, G2LW  
 Newbury & DARS, G5XV

**57 years**

Southport & DARC, G2OA  
 Preston ARS, G3KUE  
 Scarborough ARS, G4BP

**56 years**

RS of Harrow, G3EFX  
 Reigate ATS, G5LK  
 Guildford & DRS, G6GS  
 Conwy Valley ARC, GW6TMM  
 Radio Soc. of Zambia

**55 years**

South Birmingham RS, G3OHH  
 Royal Naval ARS, G33RN

**54 years**

Royal Signals ARS, G4RS

**53 years**

Basingstoke ARC, G3TCR  
 Loughton & Epping Forest ARS, G4ONP

**52 years**

Mansfield ARS, G3GQC  
 Northampton RC, G3GWB  
 Mid Warwickshire ARS, G3UDN  
 RAIBC, G4IBC  
 Harlow & DARS, G6UT  
 Kuwait ARS, KARS  
 Liechtenstein ARA, LARA  
 Belfast RSGB Group, RS101022  
 BATC, RS38114

**51 years**

Chester & DRS, G3GIZ  
 Echelford ARS, G3UES  
 Guernsey ARS, GU3HFN

**50 years**

Univ. of Surrey, G3IGQ  
 Stevenage & DARS, G3SAD  
 Salop ARS, G3SRT  
 Government Comm ARC, G3SSO  
 Fareham & DARC, G3VEF  
 Otley ARS, G3XNO  
 Great Yarmouth RC, G3YRC  
 Saltash & DARC, RS126476

Please send news reports to radcom@rsgb.org.uk. To get future events listed here and put on GB2RS, e-mail details of your meetings as early as possible to radcom@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: Fraser Road Radio Club, Region 9, Graham, GONBL, 01234 832 700, 29 Oct, On the Air. It's that simple. Please note that we don't normally print 'closed', 'TBA' or 'every Tuesday'-type submissions. The deadline for the March edition is 21 January and for the April issue it's 25 February. For GB2RS, the deadline is 10am on the Thursday of the week of broadcast.

## CLUB EVENTS CALENDAR

### INTERNATIONAL

Pafos Radio Club, Cyprus,  
Richard, 5B4AJG, 00 357 97 857 891,  
5b4ajg@gmail.com www.cyhams.org

International federation of Railway Radio  
Amateurs (FIRAC)  
www.firac.org.uk

### NATIONAL

Amateur Radio Caravan and Camping Club  
membership@arcc.org.uk, www.arcc.org.uk  
Net every Tuesday and Thursday 3.770, 8pm

#### AMSAT-UK

<http://amsat-uk.org/>

Open net every Sunday, 10am, 3.780MHz (±),  
sometimes QSY to 40m (-7.1) due to condx

British Amateur Radio Teledata Group  
bartg@bartg.org.uk, www.bartg.org.uk

Membership is open to anyone interested in  
amateur radio datacoms. Datacoms contests  
and awards organised.

British Railways Amateur Radio Society  
John, MOZAA, MOZAA@BRARS.info,  
www.BRARS.info

Membership is open to anyone interested in  
amateur radio and railways.

Civil Service Amateur Radio Society  
Weekly net every Tuesday, 8pm, 3.763MHz

Radio Amateur Old Timers' Association  
MemSec@RAOTA.org, www.RAOTA.org

Membership is open to anyone active in  
amateur radio. Maintaining the traditions and  
spirit of amateur radio. Nets on Wednesday  
3.763MHz at 1000, 1.963MHz at 2100,  
Thursday 7.163MHz at 1100, 3.763MHz at  
1930 and Sunday 3.763MHz at 1000.

Travelling Wave Contest Group  
secretary@twcg.org.uk, www.twcg.org.uk

Friendly contest group for those who want to  
be involved with contesting, but who don't  
have a local club or whose club isn't active in  
contestng, from anywhere in the UK.

### REGION 1: SCOTLAND SOUTH & WESTERN ISLES

Regional Manager: Marcus Hazel-McGown, MM0ZIF,  
RM1@rsgb.org.uk

Cockenzie & Port Seton ARC  
Bob, GM4UYZ, 01875 811 723  
5 Normal club night  
7-13 On-air activity day  
19 Radio check night, John, MM0JXI

Livingston and District ARS  
Cathie, 2MODIB, 01506 433 846  
2, 16, 21 Operating and training evening  
9 Presentation and talk  
20-21 Special event weekend

Lothians RS  
Mike, MM0MLB,  
secretary@lothiansradiosociety.com  
10, 24 Club night, Braid Hills Hotel

Stirling & District ARS  
Myles, MM0MYL, 07890 477 516  
4, 11, 18, 25 Operating, presentations  
& training, 7pm  
7, 14, 21, 28 Construction, projects  
& training, 10.30am

Wigtownshire ARC  
Ellis, GM0HPK, ellis@gaston.freeseerve.co.uk  
4, 11, 25 Club night  
17 SOTA and QRP, Neil, 2MONCM

### REGION 2: SCOTLAND NORTH & NORTHERN ISLES

Regional Manager: Denny Morrison, GM1BAN,  
RM2@rsgb.org.uk

#### Aberdeen ARS

Fred, GM3ALZ, 01975 651 365

4 Junk sale  
11 A multiband dipole, Stewart, GM4AFF  
18 Construction project for 70 years of AARS  
25 Construction & on the air

#### Glenrothes & DRC

Tam, MM0TGB, 0775 3526 498

3 Leven, construction, training, operating  
10 PSK31 on a budget  
17 What are you doing on radio?  
24 Forward planning for Field Days

### REGION 3: NORTH WEST

Regional Manager: Kath Wilson, M1CNY,  
RM3@rsgb.org.uk

#### Chester & DRS

Bruce, M0CVP, 01244 343 825

29 Bring out your dead!  
29 Committee meeting  
29 Grand surplus sale  
29 Project evening

#### South Cheshire ARS

Alan, 2E0DDK, 01782 510 856

4, 18 On the air  
11 Club and shack night  
25 Ham Radio Deluxe, Alan, 2E0DDK

#### South Manchester R&CC

Ron, G3SVW, 01619 693 999

4 Introduction to electrical horology,  
Peter, G3SMT  
11 Develop the new shack  
25 Technical Q&A session  
29 Technical forum

#### Stockport RS

Heather, M6HNS, 07506 904 422  
2, 16 Society night  
6, 7, 15, 22, 29 Intermediate course  
11 Club net  
23 Skills night

#### Thornton Cleveleys ARS

John, G4FRK, 01253 862 810

1 Practical / on the air  
8 Trawler WTO  
22 Clock maintenance, G3WBB  
29 Transmission lines, G8KBH

### REGION 4: NORTH EAST

Regional Manager: Nigel Ferguson, G0BPK  
RM4@rsgb.org.uk

#### Denby Dale RC

Darran, G0BWB, 0797 442 3227,

3 Making traps for a W3DZZ  
10, 24 On the air  
17 Guess the mystery object

#### Hambleton ARS

Tony, G3MAE, 01609 881 530

10 Operating night  
24 Introduction to oscilloscopes, Tony, G8FLV

#### Sheffield & District Wireless Society

Krystyna, 2E0KSH, 07884 065 375

3 Video night, The workings of radio and TV  
10, 24 Social night  
17 Sheffield life hackers, Andy Kirby

#### Sheffield ARC

David, G6DCT, littlewood20@btinternet.com

1, 15, 29 Club night  
8 Shack night, operating MORCU  
22 D-Star & DMR+ repeater system,  
Steve, M1ERS

### REGION 5: WEST MIDLANDS

Regional Manager: Martyn Vincent, G3UKV  
RM5@rsgb.org.uk

#### Cheltenham ARA

Derek, G3NKS, 01242 241 099

16 Lunch, book with G3YJE  
18 Surplus equipment sale

#### Gloucester AR&ES

Anne, 2E1GKY, 01242 699 595 daytime,

1 HRO restoration, Steve, G4HFT  
3, 10, 17, 24 Club net, 7.30pm, 145.500 then  
±145.550MHz  
4, 11, 18, 25 Net, 7.30pm, 145.550MHz  
then QSY  
8, 22, 29 Informal evening and general operating  
15 On the air from home (club closed)

#### Hereford ARS

Rod, M0JLA, 01432 356 079

5 Amateur radio for vehicle club members

#### Midland ARS

Norman, G8BHE, 0780 807 8003

3 Open meeting, shack on the air  
& training classes  
10 Committee meeting & training classes  
14 Harwell Radio and Electronics Rally  
17 Planning meeting, rallies, social events  
& training classes  
24 General meeting, ragchew & training classes

#### Mid-Warwickshire ARS

Don, G4CYG, 01926 424 465

9 DVD afternoon  
23 Net, 145.275MHz

#### Nuneaton & District ARC

Neil, 2E0NE1, info@ndarc.co.uk

2, 9, 23 UKAC  
4, 11, 18, 25 Net, 145.475MHz, 9.30pm  
5 Pint & chat evening  
19 Sausage & bacon butty night

**Next deadline 21 January**



## Salop ARS

salopamateurradio@gmail.com

- 3, 10, 17, 24 CW net, 4.30pm, 144.070MHz; net, 8.30pm, GB3LH
- 4 Natter night / committee meeting
- 11 Shack night with G3SRT on the air
- 18 Calibration night
- 25 Natter night

## South Birmingham RS

Gemma, M6GKG,

gemmagordon.m6gkg@gmail.com

- 1, 15 Work in the shack
- 2, 9, 16, 23 Shack coffee morning, 11am, visitors welcome
- 4, 11, 18, 25 Training classes, Dave, G8OWL
- 5, 12 Sorting stock for rally sales
- 8 Committee meeting
- 19, 26, 29 Sorting equipment for Wythall rally

## Stratford upon Avon & DRS

Clive, GOCHO, 01608 664 488

- 8 Operating principles of the IOT, high power, high efficiency transmitting valves, G1EIX
- 22 Smith Charts demystified, Giles, GONXA & Harri, G1EIX

## Sutton Coldfield ARS

Robert Bird, spirit.guide@hotmail.co.uk

- 1, 15, 29 Open net, 145.250MHz, 7.30pm
- 8, 22 Club meeting
- 9 Open net, 70.475MHz FM, 7.30pm
- 23 DMR open net, GB7FW slot/local2, 7.30pm

## Telford & DARS

John, MOJZH, 0782 473 7716

- 3 Committee meeting and GX3ZME OTA HF
- 10 Under a Fiver competition
- 17 Bowls evening with LWVH Bowls Club
- 24 Winter projects

## Wythall Radio Club

Chris, GOEYO, 0771 041 2819

- 1, 10 80m Club Championships
- 2 Morse class + free 'n' easy/UKAC
- 5, 12, 19, 26 Nibbles Night in the Shack
- 7 Club net, 145.225MHz or GB3WL, 9am; RSGB 432MHz AFS contest
- 9 Morse class + committee meeting
- 14, 21, 28 Club Net, 145.225MHz or GB3WL
- 16 Morse class + the CAIRO interface scheme, Dr Pete Best, G8CQH
- 23 Morse Class + Hamfest preparation
- 29 Curry night at the Monsoon
- 8 'Boys' and their new toys
- 18 Sorting out rally stock
- 22 Work on the aerials
- 25 Ragchew and shack on the air

## Sutton Coldfield ARS

Robert, spirit.guide@hotmail.co.uk

- 4, 18 Net, 145.250MHz±, 7 30pm all welcome
- 11, 25 Club meeting
- 12 Net, 70.475MHz FM, 7 30pm all welcome

## Telford & DARS

John, MOJZH, 07824 737 716

- 6 Committee meeting, GX3ZME on the air HF
- 13 Radio astronomy, Dr Megan Argo
- 20 SDR radio, Simon, GOUFE of Elad FDM Duo
- 27 Open forum

## Wythall Radio Club

Chris, GOEYO, 07710 412 819

- 1, 8, 15, 22, 29 Nibbles night in the shack
- 3, 10, 17, 24. 31 Net, 145.225MHz or GB3WL
- 5 Morse class, Free 'n' Easy & 2m UKAC
- 10 RSGB Affiliated contest CW
- 12 Morse class & committee meeting
- 16 RSGB Affiliated contest SSB
- 19 Morse class & visit of RSGB General Manager Graham Coomber, GONBI

25 Curry night

26 Morse class & Christmas contest results

## REGION 6: NORTH WALES

Regional Manager: Liz Cabban, GW0ETU  
RM6@rsgb.org.uk

### Dragon ARC

Gemma, GW0ETF, 07833 620 733

- 1 HF DXing, 2WOCYM
- 15 Propellants for cordite, MW0SEC

## REGION 7: SOUTH WALES

Regional Manager: Jimmy Sneddon, MW0EQL  
RM7@rsgb.org.uk

### Aberystwyth & DARS

Ray, GW7AGG, 01970 611 853

- 11 Build your own mag loop antenna, Simon, GW4NVN
- 25 Net on 145.500 then 145.550MHz

## REGION 8: NORTHERN IRELAND

Regional Manager: Philip Hosey, M10MSO  
RM8@rsgb.org.uk

### Mid Ulster ARC

Dave, muarc.secretary@yahoo.co.uk

- 14 Youth members describe RSGB DXpedition trip
- 16 Shack attack

## REGION 9: LONDON & THAMES VALLEY

Regional Manager: Larry Smith, G4OXY  
RM9@rsgb.org.uk

### Burnham Beeches RC

Dave, G4XDU, 01628 625 720

- 1 Why CW? Greg, G4EBY
- 15 What comes in the workshop, Steve, GOTAN

### Harwell ARS

Malcolm, G8NRP, 01235 524 844,

- 11 Construction contest

### Reading & DARC

Pete, G8FRC, 01189 695 697

- 11 Group for Earth Observation and live reception of weather satellite images, Francis, G7CND and David, G1MAL
- 25 100 years of Reading weather, Roger Brugge, University of Reading

### Shefford & District ARS

Paul, G1GSN, 0787 668 5827

- 4 Test your rig, Bryan, M0BIK
- 11 2016 Construction Contest winner
- 18 Heritage Railways in the UK, Richard Crane
- 25 Royal Signals, pt 2, David, G8UOD

### Southgate ARC

Mr K Memdum, G8RPA, g8rpa@arrl.net

- 10 The curve tracer, Mike, MONOE

## REGION 10: SOUTH & SOUTH EAST

Regional Manager: Michael Senior, G4EFO  
RM10@rsgb.org.uk

### Basingstoke ARC

Peter, G0KQA, 01256 414 454

- 15 VHF radar, propagation and the ISS, Bob, MOKER

### Bromley & DARS

Andy, G4WGZ, 01689 878 089

- 14, 28 Intermediate course
- 16 Operating award schemes

### Coulsdon ATS

Mike, M1CCF, 020 8654 2582

- 8 DXpedition to St Kilda

### Crawley ARC

John, G3VLH, 01342 714 402

- 24 The Birth of BBC Satellite Outside Broadcasting, Malcolm, G3NZP

### Cray Valley RS

Richard, G7GLW, 0783 171 5797

- 18 Software defined radio, Richard, G8CDD

### Darenth Valley RS

Mike, G8AXA, 01689 856 935

- 10 Radio on the air/social
- 24 Audio evening

### Dorking & DRS

David, M6DJB, djb.abraxas@btinternet.com

- 23 Build a portable 2-ele 20m beam, pt 2, Tom, G4DFA, Colin, M0GXV

### Echelford ARS

John, G4GSC, 01784 451 898

- 11 The Role of Wireless Amateurs in WW I, Dr Elizabeth Bruton
- 24 TX Factor, Stuart, M0SAR

### Fort Purbrook ARC

Graham, M0CYX, 0785 040 0108

- 26 Presentation on Clansman radio

### Hastings E&RC

Gordon, 01424 431 909

- 24 AGM followed by bring your mystery thing

### Hilderstone R&EC

Ian, M6WFI, hilderstoneclub@gmail.com

- 11 Natter night
- 20-21 TDOTA with Margate Brownies
- 25 Talk

### Horndean & DARC

Stuart, G0FYX, 02392 472 846

- 4 Natter night/social evening
- 18 National Coastwatch Institution, Peter Buckley

### Horsham ARC

Alistair, G3ZBU, 0785 526 8666

- 4 Big bombs, Wing Commander John Bell DFC MBE
- 21 Fox hunt
- 25 Social, Queens Head, Barnes Green

### Itchen Valley ARC

Quintin, M1ENU, 023 8078 7799

- 12 Members forum
- 26 Mechanical typesetting, an engineering marvel, Quintin, M1ENU

### Southdown ARS

Andy, M6GND, 01323 486 924

- 1 Super regenerative receivers
- 1, 8 Net 9.50am 145.275 FM, 10.00am 7.035 CW
- 3 Net 8.30am 145.275 FM, 9.50am 145.275 FM, 10.00am 7.035 CW, Hailsham Shack CW 10.30am-12.30pm various bands & Cafe meet 12.30pm
- 6, 13, 20, 27 BHRS, 12.30pm, 1 44.300MHz SSB, 145.500MHz FM, 51.600MHz FM
- 10, 17 Net 8.30am 145.275MHz FM, 9.50am 145.275MHz FM, 10am 7.035

CW, cafe meet 12.30pm  
15, 22, 24, 29 Net 8.30am 145.275MHz  
FM, 9.50am 145.275MHz FM, 10am  
7.035 CW, cafe meet 12.30pm, BHRS  
2.30pm 144.300MHz SSB, 145.500MHz  
FM, 51.600MHz FM

### Surrey Radio Contact Club John, G8IYS, 020 8657 0454

1 Propagation, Mike, G0JMI  
4, 11, 18, 25 Net, 70.300MHz, 8pm  
5, 12, 19, 26 Net, 145.350MHz, 8pm  
7, 14, 21, 28 Net, 1905kHz, 9.30am  
15 Chat & fix-it, John, G8MNY

### Worthing & DARC

Al, M0OAL, information@wadarc.org.uk

1, 8, 15, 22, 29 2m net, 7.30pm  
3 On the air evening  
4, 11, 18, 25 40m net, 11am  
7 Sunday breakfast, 9am  
7, 14, 21, 28 80m net, 7.30am  
10 Discussion evening  
17 Presentation on Sussex 4x4 Response  
(MOSSX) by Dave, G4OTV  
24 Club evening

## REGION 11: SOUTH WEST & CHANNEL ISLES

Regional Manager: Pam Helliwell, G7SME  
RM11@rsgb.org.uk

### Bristol RSGB Group

Robin, G3TKF, robin@g3tkf.co.uk  
29 Recent developments in digital ATV,  
Shaun, G8VPG

### Callington ARS

John, G4PBN, 01822 835 834  
3 Monthly club meeting

### Cornish RAC

Steve, G7VOH, 01209 844 939  
3 Committee meeting  
4 Main meeting  
18 Club evening

### Exeter ARS

Nick, M0NRJ, 01363 775 756  
2 GB3EX net, 7.45pm  
8 VHF/UHF propagation, Nick, M0NRJ  
9 GB3EW net, 7.45pm  
16, 23 Net, 145.575MHz, 7.45pm  
22 Early religious broadcasting, Matt, M0SBI

### Mid-Somerset ARC

David, G8BFV, 01749 670 085  
9 Latest TX Factor video

### Plymouth Radio Club

David, 2E0DTC, d.beck123@btinternet.com  
9 AGM, 7pm

### South Bristol ARC

Andrew, G7KNA, 0783 869 5471  
4 Air Ambulance, Mark, 2E0FKV  
11 Summits on the Air, Martin, 2E0EUW  
18 DVD night  
25 Open house and on air night

### Torbay ARS

Dave, G6FSP, g6fsp@tars.org.uk  
5, 19 Club night  
12 Club night with business meeting  
26 AGM

### Weston Super Mare RS

Paul, G3SDH, g3sdh@btinternet.com  
1, 8, 22, 29 Natter night  
15 Autumn rally planning

### Yeovil ARC

Rodney, M0RGE, 01935 825 791  
4 Mini talks  
11 A rotary converter, G7LNJ  
18 Morse practice, G3MYM  
25 On the air and committee meeting

## REGION 12: EAST & EAST ANGLIA

Regional Manager: Steve Thomas, M1ACB  
RM12@rsgb.org.uk

### Braintree & DARS

John, M5AJB, 01787 460 947  
1 Astronomy, Mike, G8DJO  
15 Construction evening

### Cambridge & DARC

David, M0ZEB, 01353 778 093  
12 Surplus sale  
26 Foundation shack evening + TX Factor 5

### Chelmsford ARS

secretary@g0mwt.org.uk  
2 Satellites, Steve, M0SHQ  
15 Skills night at Danbury Village Hall

### Colchester Radio Amateurs

Stefan, M0XLB, 0777 161 6676  
25 CW practice; what, how & why of QSLing

### Norfolk ARC

Chris, G0DWV, 01603 898 678  
3 Fibre optics, Sonny, 2E0SYW  
10 Informal

17 To the moon and back, Sam, G4DDK  
24 Informal / Bright Sparks

### Norfolk Coast ARS

Steve, G3PND,  
info@norfolkcoastamateurs.co.uk  
4 Constructing baluns  
11 Phased vertical antennas  
18 Satellite operation  
25 Planning 2016 events

### South Essex ARS

Terry, G1FBW, 0798 607 0040  
7 Canvey Radio and Electronics Rally

### Thurrock Acorns ARC

Gordon, 2E0ELI, acorns@taarc.co.uk  
16 Con-fused-d? Steve, G4HXX

## REGION 13: EAST MIDLANDS

Regional Manager: Steve Boden, G4XCK  
RM13@rsgb.org.uk

### Lincoln Short-Wave Club

Pam, G4STO, 01427 788 356  
2, 9, 16, 23 UKCC  
4 Club net via GB3LM, 8pm  
6 Saturday surgery + G5FZ on the air  
10 The Sun's effects on propagation, Peter,  
M0EJL  
11, 18, 25 Club net, 145.325MHz, 8pm  
13, 27 Shack activities + G6COL on the air  
15 Committee meeting  
17 Formal meeting  
20 Shack activities + G5FZ on the air  
24 Visit to Lincoln Astronomical Society

### Loughborough & DARC

Chris, G1ETZ, 01509 504 319  
2 Video night  
9 Club net  
16 Open forum – QRP  
23 Practical evening

### Melton Mowbray ARS

Brian, M0YBX, 0777 265 9622  
9 Software for hardware

### RAF Waddington ARC

Bob, G3VCA, 0797 116 6250  
1, 8, 15, 22, 29 Club net, 145.325MHz, 8pm

**Next deadline 21 January**

## EVENTS ROUNDUP

### REGION 2: SCOTLAND NORTH & NORTHERN ISLES

Glenrothes & DARC celebrated at their Christmas party with two members having just passed their Intermediate exam. Back row (l-r) Ken Laurie, Bob, Dave Wullie (exam pass), Sandy, Doug, Terry. Front row (l-r) Allan (exam pass), Ian, Alex, Ian, Tam.



### REGION 3: NORTH WEST

At the recent AGM, Furness ARS elected a new committee: Chris, M0TES (Chair), Chris, M0KPW (Secretary), Martyn, M0TEB (Treasurer), Jim, M0KLY, Clive, 2E0EVD and Mike, G8ALE. Dave, G3VUS and Ivan, G3IZD stood down after many years of service and the committee will miss their expertise. Dave has worked tirelessly behind the scenes organising special events, Foundation / Intermediate courses and mentoring newcomers. Ivan has been a driving force behind club contests and special events. The club would like to thank them for all their hard work over the years. Both remain club members and will continue to take an activate role.

The Rochdale Traditional Rally took place in November and was very well attended as always. There was a wide variety of traders and

the club was pleased that LAMCO could attend again. Rochdale & DARS would like to thank the traders, fellow amateurs and members of the public helped to make the event a success.

Southport & DARS started 8-week Foundation course starting on 25 January. There will be a much deeper level of instruction and more frequent practical sessions to assist candidates through the training. For further details (or to sign up for the course if you're quick enough) please visit <http://tinyurl.com/sadarcfound2016>. A recent Intermediate course resulted in 100% success rate, with candidates now waiting for their 2E0 callsigns. Left to right are Dorian Wiskow, Roy Morgan, Stuart, G0MJG (lead instructor), Chris, 2E0XJP (instructor), Brian Woods, Steve Milner.

**REGION 4: NORTH EAST**



On 6 December, the Region 4 team were in attendance at the Bishop Auckland Rally. In the photo are Ian, G7MFN (DRM 41) and Oliver, M6EUB, the Stem Strategy Manager of the Youth committee. A very large bag of Pontefract cakes was provided by Nigel, GOBPK (RM 4)!



After presiding and preaching at the morning service at St Hilda's Church, Hartlepool in November, The Bishop of Durham, The Right Revd Paul Butler, visited GB5SH, which had been set up to give publicity to the annual festival in honour of St Hilda. The Bishop is seen speaking to MOPAR in Malvern, with G8DST operating and G3NUA watching. Using 40 and 2m, contact was made with some 140 stations in the UK, Belgium and Holland.

**Hambleton ARS** recently had three Intermediate successes. They were Bob, 2EOLRP, Roy, 2EODNH and Pete, 2E0FCU. The instructors were Brian, G3VGZ and Tony, G3MAE.

**Wearside EARS** celebrated with David, M6JJA on gaining his 2E00DB callsign. He received his certificate from Ray, 2E0ERD who invigilated his exam. Congratulations from all the members and good luck with the Advanced.

Following the recent devastating floods in the Calder Valley, the normal meeting place for **Halifax and District ARS**, the Church of the Good Shepherd, will be out of action for the foreseeable future. Thankfully they have found a temporary venue for weekly meetings at New Ebenezer Methodist Church, St James Road, Halifax HX1 1YS. Entry is via the front door; if it is locked please knock. Meetings will take place from 7pm as normal.



At a recent Zone 8 meeting for RAYNET in Wales, Zone coordinator Dave, MWORUH (pictured right) presented Deputy Group Controller for Pembrokeshire Peter, GW4OZU an award for 35 years of service. Other members reaching milestones within the organisation will be presented their certificates at their local meetings in due course.

**REGION 5: WEST MIDLANDS**  
Midland ARS celebrated with a Christmas party held in early December. The grand buffet was enjoyed by all.

**REGION 7: SOUTH WALES**  
Llanelli ARS would like to congratulate the candidates who recently passed their Intermediate exam, and wish them well for their Advanced training. Allan, 2W0DQT, Laurie, 2W0GYB and David, 2W0SRD.



## REGION 8: NORTHERN IRELAND

In November Mid Ulster ARC transmitted from Armagh Observatory using a variety of different modes. The mic was busy throughout the night and the club looks forward to working more closely with the Observatory. The club hosted the RSGB youth callsign G115YOTA on 5 December. The station, involving youth members from other clubs as well, logged hundreds of contacts and all enjoyed themselves.



Bangor & DARS will be holding a Foundation course and exam on 27 & 28 February. Please contact David, M100BC on 0745 328 3468. Club members enjoyed a fascinating insight into broadcast and weather satellite technology from Allan, G13MBB. He explained the role of digital electronics and data streaming. NOAA (National Oceanic and Atmosphere Administration) and EUMETSAT current orbiting weather satellites continually stream down data that anyone may pick up and display using a specialised receiver, suitable aerial and a dongle for the computer. Allan is pictured brandishing the double helical aerial he uses to receive signals.

## REGION 9: LONDON & THAMES VALLEY



Verulam ARC had a busy December including an evening Christmas dinner at a local restaurant for members and their partners and a Foundation course. All passed and three of the students were pupils from Sandringham School, St Albans who were preparing for the school's contact with Tim Peake aboard the International Space Station early in January (see page 62 for more details).

## REGION 10: SOUTH & SOUTH EAST

Hilderstone R&EC enjoyed promoting amateur radio to the youngsters at Wellesley House school as part of the G115YOTA day. The club joined in the school's celebrations of Tim Peake's launch together with other local primary and secondary schools. A pleasant evening was had at the Jolly Farmer pub with an excellent Christmas dinner; a fitting end to a successful year.

## REGION 11: SOUTH WEST & CHANNEL ISLES

Exeter ARS has had two new amateurs pass their Foundation licence. 17 year old Alex is the club's youngest ever member and club members are helping him get on the air with donations of equipment. Trevor, M6TVW has finally taken his exam after much encouragement from his family who are already licensed. Before Christmas, members gathered to celebrate with a Christmas breakfast. They reflected on club stalwart Geoff, MOUWD who is now a silent key and his many contributions to the club over the years as a net controller, constructor and good friend.

South Bristol ARC has had several members pass the Intermediate exam. Mark, M6FKV is now 2E0FKV, Martin, M6EUW is now 2E0EUW and Gary will sign 2E0HCC.

Flight Refuelling ARS ran an Intermediate course and all six candidates passed, including Steve who came from Buckinghamshire to attend the course. Thanks to instructors Alan, MOVLT and Clive, G7SVI, ably assisted by the assessor Sherry, MOODE. New callsign holders are Steve, 2E0NEP, Oily, 2E0WCL, Roy, 2E0REI, Jake, 2E0DQX, Douglas, 2E0WIM and Sam, 2E0MPU.

## REGION 12: EAST & EAST ANGLIA

The last Essex Skills Night of the year saw 93 people attend. Visitors from Essex, Suffolk, Kent and South London came to socialise, share ideas and look at a range of demonstrations. On offer were show-and-tell sessions on D-Star, DMR, equipment used to contact satellites, plus how to test ferrites as a follow-up to a recent *RadCom* article. There was a QRP station on 20m and live demos of the Realtek SDR. Antenna construction continues to be a popular feature with more visitors completing their first Slim Jim antenna. Majbritt completed her practical assessment.

The Essex Ham team was busy right up until the end of 2015 with several members supporting the Thurrock Acorns 2m Activity Day by running nets and sending SSTV images. The second Essex Young Ladies Net, hosted by Dorothy, MOMLR, was another success. The ninth Foundation Online course started, with a total of over 160 candidates enrolling since the course launched in May. With the winter weather closing in, and it being too chilly for /P, around 20 members gathered at the Horse & Groom. The poor solo member of the bar staff was expecting a quiet

day until 20 assorted amateurs took over for a very pleasant afternoon of chat, gossip and looking back on a very busy year of radio!

Around 30 members and visitors attended the December Christmas social laid on by **South Essex ARS**. The evening featured several items of show-and-tell brought along by members, a scrolling display of videos from recent field days and activities, plus a good selection of festive nibbles.

**Thurrock Acorns ARC** ran a 2m activity afternoon in November. The was to contact amateur radio stations in the East/South of England on the 2m band. The main station was located at the home of Stella in Chadwell St Mary. Between 1300 and 1700UTC other TAARC members visited to help man the station and it was in constant operation. During the afternoon 50 different amateurs including Loren, aged 10, in Kent were contacted. The club hopes to repeat the activity early in 2016.

Cadets from the 106 (Orsett Hundred) Squadron Air Training Corps spent time at their HQ looking at the Foundation licence requirements. Over two days they looked at technical basics, transmitters, receivers and antennas and how to make and receive a voice message over the airwaves. Two cadets, Williams and Hance, took the exam and passed. While the cadets were sitting their exam their Commanding officer Flight Lieutenant Darren Attersley was leading by example. He passed the Intermediate exam. The event was support by members of the Thurrock Acorns ARC training section.

There was a surprise in store for John Mulye, GOVEH at the final meeting of the year of **Loughton & Epping Forest ARS**. For his work as Chairman (1998-2015), his ongoing role as leading Foundation course instructor and keeper of the club historical radio collection, he was awarded an honorary lifetime membership. He was given the award by the new chairman, Richard, G4DDP. John still runs the clubs Portable Group that promotes mobile and portable operations. John also heads the operating team for the clubs permanent NoV station at the Royal Gunpowder Mills in Waltham Abbey.

**Harlow & DARS** will now be open on a Tuesday night from 8pm onwards as well as the normal Friday nights. The first Tuesday had 10 in attendance. The benefits of being open twice a week is a great step towards making the hobby accessible to everyone and is an opportunity for new amateurs to get some practice with the key with support of experienced members.

**Norfolk ARC** held its annual 2-day Morse bootcamp at the home of Roger, G3LDI. A total of 17 radio amateurs took part, with two only able to make one of the days. The tutors were Roger, G3LDI, Malcolm, G3PDH and Peter, MORYB who taught in three different rooms for three different ability levels. The group included one YL – Karen – who is not even licensed yet, but who is becoming very proficient at CW. Marshall, M6DXL also made the journey from Littleport in Cambridgeshire and is already at around 20-23wpm and typing directly onto his computer keyboard.

There was plenty of cake, sausage rolls, apple strudel, apple crumble, biscuits and sweets – plus lots of dits and dahs!

At a recent meeting **Braintree & DARS** discussed ideas for the Construction Contest. Neville, G8CDG gave a presentation of some kits from the QRP Club, including transmitters, receivers and an ATU. Club members will start with the 40m Tx then the Rx and so on, each developing it in their own way with progress workshops at regular intervals.



Dengie Hundred ARS enjoyed talks on Portable Appliance Testing and ESD (electrostatic discharge) from Maurice, G6AHD. Merely pulling off a length of transparent sticky tape from its reel can produce charges with voltages of around 12kV – if this charge is allowed to discharge via CMOS and FET circuitry it may cause damage, which only becomes apparent later.



Chelmsford ARS collaborated with Waters & Stanton to run an Intermediate practicals session in November. Two candidates were from South East London; three were from Waters & Stanton, having previously passed their Foundation at the Thames ARG and two had taken the CARS Foundation course. Peter, MOPSD, Christopher, GOIPU and Carl, G3PEM were on hand to take the students through the practicalities. Some of the candidates subsequently took their Intermediate written exam at Danbury in a combined session with Foundation and Advanced candidates on 7 December.



Norfolk Coast ARS spent a day evaluating the performance of a five band Hustler vertical antenna that had recently been donated to the club. It was erected at the club station and hourly CW test transmissions were made on 7, 14 and 21MHz and the feedback from the Reverse Beacon Network was monitored. Hourly transmissions were also made using the club's dipoles. Further transmissions were made from the QTH of a number of club members, so that their own antennas could be included in the exercise. The results, which were evaluated using the Spot Analysis Tool of the RBN, proved to be very interesting. Eduardo, MOKEK can be seen showing Alan, 2EODMI where to find the next satellite.

**REGION 13: EAST MIDLANDS**

Lincoln Short Wave Club members enjoying their Christmas dinner held in early December.