

## Second time around

It was with great pleasure that I accepted your Board's offer to become the President of the RSGB again. Much has changed over the past 10 years in amateur radio. Radio spectrum has come to be seen again by governments as a valuable resource which they can sell to balance their books. Sounds familiar? Yes, it's just a rerun of the rush to repossess the short wave spectrum in the first half of the 20<sup>th</sup> century except that the numbers are much bigger and the wavelengths much shorter. Should we be concerned at the possible loss of some UHF spectrum? Certainly we should, because without spectrum much of amateur radio would be just hobby electronics. It's our freedom to experiment across the radio spectrum that sets amateur radio apart. So a strong national society like the RSGB is necessary for amateur radio to thrive. The RSGB enters its second 100 years in a good position, financially sound, a strong core membership and well informed about radio communication technology and radio spectrum usage. The RSGB is seen by IARU and national administrations as one of the leading organisations representing amateur radio enthusiasts in the world.

### UPCOMING OFCOM CONSULTATIONS.

At a meeting between the RSGB and Ofcom on 3 May, Ofcom outlined its plans for a series of public consultations on matters related to spectrum management. These will have implications for the spectrum available to the Amateur Service. These consultations will cover three topics:

- a) The Public Service Spectrum Release – where spectrum will be released by government departments for other uses, which will have implications for some

- amateur UHF allocations
- b) The release of spectrum in the low and high VHF bands, which might offer the opportunity for additional amateur spectrum
- c) A more general review of the terms applicable to amateur licences in the UK.

Ofcom's intention is that changes to the amateur licence terms and schedule that result from these consultations will be enacted in the summer of 2014.

The Society plans to play an active part and we will make a considered input to each one. We want our input to be based on the views of all radio amateurs, our Members and non-members, and so we will be setting up processes to capture your views.

Ofcom consultations under (a) and (b) above will begin in June 2013 and the consultative documents will be available on the Ofcom website, probably from the end of May. The July edition of *RadCom* (available mid-June) and our website will carry further information on the consultations, allowing Members a few weeks to make input to the Society and, if they feel appropriate, directly to Ofcom. A statement from Ofcom summarising the process and some of the background can be found below.

In terms of (c) we will provide further information as soon as we have more details from Ofcom. It is our intention to create a structured process for comments to be sent to the Society, and this will be announced in the July *RadCom*. Please do not send comments to us just yet – it is important that members are aware of the scope of the



Past President Dave Wilson, M0OBW hands over the RSGB Chain of Office to Bob Whelan, G3PJT at the 2013 AGM.

consultation before making input, and we will be establishing this with Ofcom very soon.

I do hope that Members (and indeed non-members) will see this as a chance to make input to the Society, and also, if they so wish, directly to Ofcom, so that any proposals properly reflect the interests of UK radio amateurs.

**GETTING ABOUT.** After the past 16 months working for the RSGB as your Board Chair some have said that I need to get out more. By the time you read this I will have been at the ARDF Championship and, in June, I plan to be at the Camb-Hams evening, to be on the air during National Field Day, attend the FOC Dinner in Harrogate and be on the RSGB stand at Friedrichshafen. Of course, on 5 July I will be at the Centenary Day. I hope to have the use of GB4RS and be around on 40m from time to time. I also expect to visit some club meetings as time permits.

**Bob Whelan, G3PJT**  
RSGB President

## Ofcom Consultation - A Statement from Ofcom

Ofcom is planning a number of policy initiatives in the next few months that will have a direct effect on amateur radio in the UK. If you want to keep up to date, you can sign up for updates on the Ofcom website at [www.ofcom.org.uk/static/subscribe/select\\_list.htm](http://www.ofcom.org.uk/static/subscribe/select_list.htm).

Public Sector Spectrum Release is part of a commitment by government to release 500MHz of public sector spectrum by 2020. As part of these plans, the Ministry of Defence is looking at releasing 40MHz of spectrum between 2350 and 2390MHz and an additional 150MHz of spectrum above 3410MHz for new civil uses. These changes will have implications for amateurs (notably TV repeaters) in the release bands and may also have an impact on uses in the adjacent bands from 2310 to 2350MHz, 2390 to 2400MHz

and 3400 to 3410MHz.

Earlier this year Ofcom invited a group of amateur TV repeater users to Baldock to participate in testing to determine what the impact might be in the adjacent bands. Ofcom plans to publish a consultation for amateurs about any potential changes within the next month. This will be followed later this year by a statement giving amateurs reasonable notice of any licence changes necessary. Ofcom then aims to issue a full consultation in due course.

Ofcom is also to consult on the release of three tranches of spectrum in Band 1, Low Band and Mid Band respectively. One proposal is that 1MHz of Mid-Band (146 to 147MHz, so adjacent to the existing allocation in the 2m band) could be allocated to amateur radio. The consultation will be published at the end of

May 2013. It will be aimed at all mobile users, including business radio, maritime, PMSE as well as amateur.

Finally, Ofcom wants to review the terms and conditions of the amateur licence. The current form of the licence has been around for seven years now and Ofcom is keen to ensure that it continues to meet its regulatory needs as well as the needs of licensees. The licence needs to be updated anyway to reflect the changes in allocations agreed at WRC12. That process is at an early stage and the consultation will be published early next year.

All of these consultations will result in changes to the amateur licence. To minimise disruption to licensees, Ofcom intends to effect all of the changes at the same time, probably in summer 2014.



## RSGB Patron to attend celebrations

2013 marks the Centenary of the Radio Society of Great Britain (RSGB) and we are pleased to announce that our Patron, HRH Prince Philip, Duke of Edinburgh, KG, KT will be joining us for Centenary Day at the National Radio Centre. He will visit the NRC on 5 July 2013 and meet with Members and invited guests

before unveiling a plaque to commemorate the Centenary.

A cross-section of the Membership have been invited to meet the Patron and every Member is invited to Bletchley Park to take part in the celebrations on 5 July 2013. Full details will appear in the July issue of *RadCom*.



## GV Callsigns to be available by NoV

Ofcom has confirmed to us that the commemorative special prefixes GV, MV and 2V will be available for use from 5 July until the end of the month. You will be able to apply for your Notice of Variation (NoV) on the RSGB website nearer the time.

## QSL Matters

**G4H SERIES.** Cards and collection envelopes for this group of callsigns are being transferred to Ian Fugler, G4IYY, who already handles adjacent callsigns. The current holder, Steve Harwood, is reducing his commitment, but will continue to handle the G4O calls as usual. See the sub-managers web list for details.

**MORE ROYAL MAIL CHANGES.** No increase in letter charges this year, but Royal Mail has changed the way in which it charges for packets and parcels. The Post Office appears to be adopting the industry practice of charging by 'volumetric weight'. Cost is now determined not by weight alone, but by a computation of size and weight together. This means it's no longer just the weight of your cards that determines the cost but also the size and how you pack your cards that counts.

Royal Mail now has 3 standard parcel sizes, Small, Medium and Large. Attention to detail when packing can now save you money. Packets and small parcels of cards can be more cost effective than several separate letters, but stray over from one packet size to another and it could cost you £3-£4 more to send your cards. Current advice is to stay under 2kg weight and a package size of less than 45mm x 35mm x 8mm – more details in *Our Prices – April 2013*, from the Post Office or online.

**OVERSEAS MAIL.** Our outgoing, overseas despatch prices will also rise this year by around 4-5%. In fairness to other users, members are asked to consider what they send to us. It is very helpful if users with more than 2kg of cards for a single destination country should send them direct to the overseas bureau and not to us.

## New Licensee

While GB3RS was on the air from the National Radio Centre, EI6KH answered the CQ call. The operator, Chris, had just obtained his licence. He had visited Bletchley Park last August and while there also visited the NRC where he talked to two of the operators who were on duty that day.

They in turn sparked his interest in amateur radio and, on his return home to Eire, he studied for and has taken the exam to get his licence. That's the 3<sup>rd</sup> new licensee that we know about.

## Region 1 RM

Following Len Paget's appointment to the RSGB Board, Jason, GM7VSB will be acting as the Region 1 Regional Manager with immediate effect. All e-mails should go to [rm1@rsgb.org.uk](mailto:rm1@rsgb.org.uk).

### CONGRATULATIONS

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

<b>60 years</b>	
Mr S R Walker	G3IYT
<b>50 years</b>	
Dr H M Brash	GM3RVL
Mr D M Browning	G3UEY
Mr J Garrett	G3RHP
Mr A R B Gordon	GM6RXQ
Mr R C Marshall	G3SBA
Mid Warwickshire ARS	G3UDN
Mr I M G Miller	GM4JAE
Mr B B Nelson	GJ4KBM
Mr M L Sufit	M5AHF

## IARU Region 1 Interim Meeting

IARU Region 1 held its Interim Meeting in Vienna over the weekend of 20 April. The event provides a key opportunity to develop plans ahead of the next full Conference. The RSGB presented a total of 11 papers – three on HF matters and eight on VHF/microwaves. One other RSGB paper on the 30m band plan was withdrawn prior to final approval being sought from the RSGB Board. Representing the RSGB were Microwaves Manager Murray Niman G6JYB, and HF Manager Ian Greenshields, G4FSU. In total, 19 societies from Region 1 were represented at the meeting.

HF topics included preparations for the WRC15, which includes the possibility of a world-wide amateur allocation at 5MHz. Other proposals included trying to align some of the HF band plans between Regions and the DXpedition Code of Conduct, which is intended to raise operating standards.

A number of other papers covered contest matters, support for newcomers via JOTA, operation of unmanned stations, and discussions on a possible band plan for the new 472-479kHz amateur allocation.

For VHF/microwaves, a total of 34 papers covered technical, operating, band planning and contest matters. Areas of focus were improvements to IARU Contests, and accommodating digital voice, beacon and TV developments. Band plans at 4m, 2m and 70cm came under particular scrutiny. Pressure on spectrum, notably at 2.3GHz, was also discussed. Several topics are expected to be further developed in time for the next Region 1 Conference in the autumn of 2014.

The minutes and recommendations of the Interim Meeting will be published shortly, once approved by the Region 1 Executive Committee.

## GB4FUN

Four members of Sheffield ARC collected the GB4FUN trailer from Bletchley Park recently. Since then, a small group of their committee has been working extremely hard to get the trailer out at an event in the very near future. They are presently in discussion with various amateur radio equipment dealers to sponsor them, either through permanent loan of transceivers, antennas, etc or to cover some of the operating costs. The club also has an excellent, very secure, parking facility for the demonstration trailer.

A major event for the trailer will be the Sheffield Show in June at which they expect 10,000 visitors. The trailer, sporting its new callsign of GX3RCM, will be the radio communications centre for the whole event.

# RSGB 2013 AGM

The Society held its AGM on 20 April and the following were elected Directors of the Board.

- Phillip Brooks, G4NZQ
- Stewart Bryant, G3YSX
- Stan Lee, G4XXI

These join the previously elected members John Rogers, MOJAV, Graham Murchie, G4FSG and Len Paget, G4MOONX who, together with the President Bob Whelan, G3PJT, form the new Board.

A number of annual prizes and awards were given out after the formal AGM.

The Norman Keith Adams prize, awarded for the most original article published in *RadCom* in 2012 went to Harry Weston, MOSOP for his article Skin Effect in April 2012.

The Courtenay-Price Trophy, awarded for the most outstanding published technical contribution to amateur radio in 2012 went to Chris Trask, N7ZWY for Transformer Feedback Amplifiers.

The Ostermeyer Trophy, awarded for the most meritorious description of a piece of home constructed or electronic equipment published in *RadCom* in 2012, went to Ken Ginn, G8NDL for his article Digital HF VSWR meter.

The Bennet Prize, awarded for any significant contribution or innovation that furthers the art of radio communications, went to Chris Saunders, G4ZCS for the best antenna article published in *RadCom*, Novel NVIS antenna for 5MHz.

The Wortley-Talbot Trophy, awarded for the most outstanding experimental work in amateur radio, went to Phil Harman, VK6APH & Andrew Martin, VK3OE for Chirp Modulation.

The Founders Trophy for services to the Society went to John Dunnington, G3LZQ for his outstanding contribution to the Society over many years.

The Harold Rose Plate, awarded for outstanding contribution to 50MHz went to Justin Johnson, G0KSC for 50MHz aerial design and support of home constructors, DXpeditions, etc.

The Don Cameron G4STT Award for an outstanding contribution to low power amateur radio communication went to Peter Barville, G3XJS for his encouragement and support of QRP activity in the UK and EU, though his roles within the G-QRP Club

The Louis Varney Cup for advances in space communication went to Howard Long, G6LVB for significant contributions to amateur radio space communications (ARISS, STELLA software, XO-53 and Fun Cube 1 satellite payloads, FUNcube dongle).

The Fraser Shepherd Award for research into microwave applications for radio communication was awarded to James Miller, G3RUH in recognition of his lifetime contribution to microwaves.

The 1962 Committee Cup awarded for outstanding amateur development at VHF/UHF went to Sam Jewell, G4DDK for preamp design at 70cm and above.

The Kenwood Trophy awarded for a significant

contribution to training and development in amateur radio within the UK, went to Murray Ward, G3KZB for his work in developing and maintaining the QADV software that has been used by hundreds of Advanced students.

The Calcutta Key for outstanding service to international friendship was awarded to Bob Titterington, G3ORY for international friendship via ARDF.

**NATIONAL CLUB OF THE YEAR.** The prizes were awarded by Mark Francis from Walters and Stanton plc who were the main sponsors for the award again this year. 3rd place went to Warrington Amateur Radio Club in Region 3, 2nd place went to Newbury and District Amateur Radio Society in Region 9 and 1st place went to Lincoln Short Wave Club in Region 13.



The 1962 Committee Cup awarded to Sam Jewell, G4DDK.



The Calcutta Key was awarded to Bob Titterington, G3ORY.



The Ostermeyer Trophy awarded to Ken Ginn, G8NDL.



National Club of the Year 3<sup>rd</sup> place, Warrington Amateur Radio Club.



The Bennet Prize awarded to Chris Saunders, G4ZCS.



National Club of the Year 2<sup>nd</sup> place, Newbury and District Amateur Radio Society.



The Don Cameron G4STT Award went to Peter Barville, G3XJS.



National Club of the Year 1<sup>st</sup> place, Lincoln Short Wave Club.



The Louis Varney Cup went to Howard Long, G6LVB.



## Thanks

"I would like to thank the RSGB team for the interesting and informative presentation on the RSGB centenary and the live demonstration of Earth Moon Earth communications to Ofcom staff.

"Jim Lee gave an excellent presentation that highlighted the amateur achievements over the first hundred years and how the regulatory scene has had to adapt to meet

all the demands of radio use. The RSGB did a very good job representing what amateur radio is all about and how amateur radio has contributed to the evolution of communications and also come to the aid of communities in emergencies.

"The Earth Moon Earth demonstration by John Regnault showed how resolving minute signals can be achieved in quite

hostile RF conditions.

"Thank you all very much and I hope that you will be prepared to come back another time and perhaps tell us more about the technological aspects of amateur radio."

**Paul Jarvis**  
Head of Business Radio  
Ofcom

### WELCOME

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 R Hillier, 2EOCRE  
Mr N C Duke, 2EOFAS  
Mr B Ramsdale, 2EOFYI  
Mr G Russell, 2EOLER  
Mr A Carney, 2EOYDT  
Mr A J Bernard, 2MOAKV  
Mr R G Dement, AA2QQ  
Mr J Alderman, GOURK  
East Lancs RC, G4ELR  
Mr C S Williams, G4GKY  
Mr P E Hemming, G7AHH  
Mr R Thomson, G7RFO  
Mr H R Goodwin, G8FXD  
Mr C Gregory, G8GYY  
Mr A Prescott, G8TLQ

Mr PJ Robinson, G8XXE  
Mr J C Ramsay, GM3OQI  
Mr M Walter-Oester, HB9HVG  
Mr P Slugg, K4PHS  
Mr R Baron, KB1YFH  
Mr R Rigdon, KD8ADO  
Mr S C Biczak, KE7JIP  
Mr T Kirby Jr, KJ4FUU  
Mr G A Hatt, M0HEJ  
Mr J Young, MOJBY  
Mr M Voyzey, M3VZY  
Mr J Barker-Gunn, M6AIT  
Mr D B Blackmore, M6BJL  
Mr A Fisher, M6CCH  
Mr T Molloy, M6CIH  
Mr T Crew, M6CLH  
Mr S A Collins, M6CQK  
Mr R Flevill, M6CRR  
Mr D Kirkden, M6DES  
Mr D R Easden, M6DTA  
Mr D Thurman-Newell, M6DTN

Mr K Sim, M6EYR  
Mr D Smith, M6FWY  
Mr M Penrose, M6GSI  
Mr R J Olive, M6HQO  
Mr I Hrynkiwicz, M6IAH  
Mr I Habbs, M6ILH  
Mr M A B Noblet, M6ILO  
Mr J Rogers, M6JRG  
Mr A K S Bond, M6KSB  
Mr T Ashton, M6MFI  
Mr S O'riordan, M6MPS  
Miss N Punjabi, M6NPP  
Mr C Edwards, M6RCP  
Miss R Lowe, M6RCX  
Mr D Willetts, M6SCU  
Mr S Cotton, M6ZSC  
Mr J G Morrison, M16MKI  
Miss S J McCormick, M16YLT  
Mr J Bryant, MJ6DEY  
Mr C McGowan, MMONDX  
Mr I Colborn, MM6JDN

Bushvalley ARC, MN0GKL  
Mr P Randall, MWOPDR  
Mr R Murphy, MW3CEV  
Mr C Osbourne, MW6CQO  
Mr S K Rogers, MW6SKR  
Mr T E McCabe, N2AXX  
Mr G Riesenhuber, OE3SUW  
Mr I Gurney, OH3FYN  
Mr R Boute, ON4DBV  
Mr A Pulman, RS213031  
Mr R Allen, RS212284  
Mr T I Peck, RS212574  
Mr R T Uren, RS212675  
Mr R Weightman, RS212684  
Mr J Halpin, RS212852  
Miss T Wilson, RS212897  
Mr S Ram, RS212907

Mr S J Clarke, RS212917  
WAARG, RS212930  
Mr G Waldron, RS212952  
Mr R N Mather, RS212967  
Mr R Fisher, RS212987  
Mr N R Mayes, RS213005  
Mr M H Beecroft, RS213010  
Mr E Beechill, RS213034  
Mr W Buczkowski, RS213046  
Master J S Clayton, RS213050  
Mr T Evans, RS213057  
Mr J Organ, RS213074  
Mr S Wangefors, SM4YBA  
Mr J Corriveau, VE2FDJ  
Mr L Laquinto, VK3LI  
Mr P Newman, VK4APN  
Mr N Dennett, ZS6CVF  
Mr J Wilhelm, ZS6NUL

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

Mr A C Brown, 2EOVPX  
Mr B Lequeu, F1MPE  
Mr W P Drea, GOCBU  
Mr K W Porter, GOFEX  
Mr M T Francis, GOGBY  
Mr P Hunter, GOGSZ

Mr M S Johns, G0GZM  
Mr R C Hurt, G0HDS  
Mr C F W Martin, G0NJM  
Mr J Voyzey, G0ROK  
Mr G D Forde, G0VXY  
Mr M A Clark, G1JBM  
Mr G D Dancer, G1VLS  
Dr W Redman-White, G3XSH  
Mr G D Edy, G4AXD  
Mr B W Macklin, G4BHE

Mr M D Dubery, G4EZR  
Mr R M Heron, G4FBC  
Mr M P Dixey, G4OSU  
Mr T H Tallis, G4UUQ  
Mr P Berwick, G6CKZ  
Mr P Andrews, G6MNI  
Mr A S Ramsdale, G7GNM  
Mr R Prew, G8EPQ

Mr A Lambert, G8HER  
Mr M L Hayward, G8KYT  
Mr A V Fribbens, G8MLQ  
Mr M Bilkey, G8MNC  
Mr C Jarvis, G8YJT  
Mr A M L Fegen, GM0LYT  
Mr M Owens, GW4XMC  
Mr D M Goonan, KV1Y  
Mr C R Chadburn, M0BCH

Mr J Clarey, M0CGR  
Mr M R Austin, M1NIZ  
Mr M Daniels, M3ZZA  
Mr M K Wootton, M5MKW  
Mr K White, M6KMW  
Mr T E McCabe, N2AXX  
Mr J R Witmer, W3RW  
Mr D G Ewing, WB9PHQ  
Mr J L Scott, WK3N

## Ofcom Fixed Penalty Notice Regime

The Wireless Telegraphy (Fixed Penalty) Regulations 2011 came into force on 1 October 2011. They set out the various offences for which a fixed penalty notice may be issued and the amount payable by such notices. Although Ofcom may issue fixed penalties for most summary offences under the Wireless Telegraphy Act 2006, the initial focus was on business radio users. Now Ofcom has extended the regime to encompass all relevant offences under the Wireless Telegraphy Act. This includes people who either use radio spectrum without having an appropriate licence, or who operate outside the terms and conditions of any licence they do hold.

There are increasing demands on spectrum capacity as the number of users grows. Currently there are nearly 43,000 licences, covering a range of different uses of spectrum.

The first fixed penalty notice was issued by Ofcom to a taxi firm in Northern Ireland. The company failed to renew its licence and, following investigations by Ofcom's

Enforcement Team, was found to be illegally using its radio system. In addition to having to pay the penalty, the company's radio equipment was seized and the owners interviewed by Ofcom's Enforcement Team.

The fixed penalty notices that Ofcom issues operate in a similar way to ones issued for parking offences – they are sent to alleged offenders by post, who then have one month to respond. The current penalty that applies to all FPNs issued by Ofcom is £100. If a person receives an FPN from Ofcom, they should carefully read the literature, which will explain all their options; ignoring the letter is likely to result in them being taken to court, where any penalty given will reflect the fact that they failed to pay a lawfully issued FPN.

The penalties collected are paid into HM Treasury's consolidated fund via the HM Courts & Tribunals Service. If the penalty is not paid in the time allowed, the matter is then sent to an Enforcement Manager, who will examine the evidence again, including any representations received and determine

any further sanction. This may mean that the alleged offender is then prosecuted for the offence.

The use of FPNs is an addition to the range of sanctions available to Ofcom in the execution of its duty to secure the optimal use of the radio spectrum. Payment of an FPN does not mean that the recipient then has a criminal record; if payment is received on time, the matter is then ended and no record will be kept in any criminal record database. Ofcom may keep a record of persons who are issued with FPNs to ensure that any further similar behaviour by the recipient is dealt with proportionately. Ofcom believes that the measured and timely use of FPNs will be effective in dealing with minor breaches of the Wireless Telegraphy Act in the future; all matters which come to light will be dealt with on a case by case basis, reflecting the weight of the evidence, the public interest and any known aggravating/mitigating factors.

**Jim McNally, Ofcom Enforcement Policy Officer**

## Testing Amateur TV transmitters

Ofcom is grateful to the RSGB as well as Member Murray Niman, G6JYB for helping set up a testing day at Baldock on 3 April 2013 to test a selection of analogue and digital amateur TV transmitters operating in the 2.3GHz band.

We would especially like to thank those amateurs who took part for bringing their equipment to Baldock for the day and assisting with a range of tests to represent amateur TV equipment in use. Those amateurs are: Noel Matthews, G8GTZ, David Man, G8ADM, Peter Blakeborough, G3PYB, Arthur Turner, G4CPE and Philip Seaford, G8XTW.

Thanks also to Noel, G8GTZ, Philip, G8XTW and Arthur, G4CPE for their assistance enabling us to measure directly from the Luton TV repeater GB3TZ on 10 April. The tests were part of Ofcom's evidence gathering work prior to MoD's

planned spectrum release in the 2.3GHz and 3.4GHz bands. Radio amateurs are also users of these bands and the tests will help with our assessment of likely interference. Ofcom engineers at Baldock captured the characteristics from all the output modes available and will be using this information to inform decisions about future spectrum usage.

The MoD's planned spectrum release is part of Government's commitment to release 500MHz of spectrum for new civil uses by 2020. We are planning to consult on the MoD's plans for the 2.3GHz and 3.4GHz bands in due course and expect to consult with amateurs about any changes to the amateur licence schedule as soon as is practical. We will keep the amateur community informed of the progress of these plans via our website and through the RSGB.

## Special Presentation

At the 2013 AGM, RSGB President, Dave Wilson, MOOBW presented a very special Centenary award to Don Beattie, G6BJ. He thanked Don for his work on behalf of the Society and presented him with a decanter and a letter from the RSGB Patron, HRH Prince Philip, Duke of Edinburgh, KG, KT. Don was persuaded to read the letter to those gathered who gave him a standing ovation.

"I know that all members of the RSGB would like me to express their admiration and gratitude to you for all you have done for the Society over the years. Firstly, as Chairman of the Management Committee in 1999; subsequently as President of the Society in 2000 and 2001 and, more recently as Board Director and Acting General manager from February 2011 until May 2012.

"Needless to say, it would be impossible for me to do justice to all your achievements, I know that the members particularly appreciate your invaluable contribution to the re-shaping of the structure of the UK Amateur radio Licence.

"Yours sincerely

**Philip  
Patron  
Radio Society of Great Britain"**



Ofcom and BATC members at Baldock on 3 April.

## CubeSat Workshop

Surrey Space Centre (SSC) and AMSAT-UK invite anyone with CubeSat equipment to a 'Bring Your Own Board' workshop on 19 July. The aims are to provide an opportunity to demonstrate the latest CubeSat developments and encouraging more interaction with AMSAT-UK and the Colloquium that takes place in Guildford on 20 and 21 July. The workshop is free to attend or present. Opening times are from 9am to 4pm, after which there will be the AMSAT-UK Satellite Beginners Session. There will also be ad-hoc tours to SSC's new clean room, ground station and CubeSat experimentation facilities.

If you are interested in attending or demonstrating, please contact Dr Chris Bridges, MOGKK, by e-mail to [c.p.bridges@surrey.ac.uk](mailto:c.p.bridges@surrey.ac.uk).

## UK Balloons

UK high altitude balloon flights have traditionally used 434MHz for the telemetry and video image downlinks. This segment of the band has been used because in the UK, due to CAA concerns, the amateur radio licence does not permit aeronautical operation. 434MHz is allocated to licence exempt devices and appears to have no restrictions as far as aeronautical operation is concerned. As a result amateurs have been making use of readily available 434MHz licence exempt Tx modules for their flights.

A recent development has been the use of the 868MHz band instead of 434MHz. One use of 868MHz has been by students at Warwick University. They built a CubeSat (small 10x10x10cm satellite) which they flew to 30km, see <http://amsat-uk.org/2013/04/10/uk-students-fly-cubesat-to-30km/>.

The successful balloon flight was a first step for the Warwick students on the road to their goal of developing a true satellite, WUSAT, that will be put into Earth orbit.



## Cass Award

Rob Chipperfield, MOVFC has won the 2012 Single-Operator Cass Award, an incentive to encourage DXpedition operating excellence. From the remote South Atlantic island of Tristan Da Cunha as ZD9UQ in October 2012, Rob worked 3362 unique stations over his 4-day DXpedition, demonstrating an outstanding effort to log as many individuals as possible. Michael, G7VJR presented Rob with his plaque and prize.

The Cass Award is presented annually and encourages DXpeditions to maximise the number of DXers worked with a prize for the Single-Operator DXpedition that works the most unique callsigns. This award honours the wisdom and spirit of Cass, WA6AUD (SK). See [www.cassaward.com](http://www.cassaward.com). [rob\\_mvfc-left\\_michael\\_g7vjr-right](mailto:rob_mvfc-left_michael_g7vjr-right)



## Into the future

RSGB General Manager, Graham Coomber, GONBI is to make a presentation at the AMSAT Colloquium in July on the RSGB vision of amateur radio in the future. He would like to canvas the views of the Membership. What do you think amateur radio will look like in the future as the RSGB starts its second century? Send your ideas to [graham.coomber@rsgb.org.uk](mailto:graham.coomber@rsgb.org.uk).

## 5MHz Newsletter

The latest edition of *The 5MHz Newsletter* is now available on Google Documents/Drive at <http://tinyurl.com/dxlpqyj>. This edition (No 6) features the latest news about 5MHz amateur allocations, the latest update of the worldwide amateur 5MHz allocations chart, plus stories on 5MHz web SDRs, an IARU 5MHz Paper, a correlation graph from G3ZUN and an idea on how to navigate the new UK 5MHz allocation using your transceiver's memory channels.

## STELAR

2013 sees the 20<sup>th</sup> anniversary of STELAR (Science and Technology through Educational Links with Amateur Radio). It is an amateur radio charity that has trained a significant number of school teachers to gain their amateur radio licence and support clubs in their institutions.

At the last AGM, STELAR charity trustees voted to use some of their financial resources to support an educational initiative to be launched in this anniversary year; its purpose, to re-connect with school clubs and support a number of defined activities.

Initially, they are looking to sponsor 50 schools with a licensed member of staff (or member of a local club who runs amateur radio activity within the school) and provide them with membership of AMSAT-UK and access to the G-QRP magazine *SPRAT*. In addition, STELAR will fund an initial five FUNcube Dongles to selected schools and support their use in science and technology within the classroom.

If you are interested in applying on behalf of the school in which you teach or support, please send an e-mail with appropriate details and a brief description of your current activities to [mail@stelar.info](mailto:mail@stelar.info).



### NEWS IN BRIEF

- On 26 June 1913, Barrow Wireless Association in NW England received a transmitting licence from the Post Office, the fifth English club to do so. Furness Amateur Radio Society, as a successor to that association, is celebrating this centenary with a series of events and on-air activities. Ofcom have been approached for a special callsign and as this will be announced as soon as it is confirmed. Amateurs in the UK and beyond are invited to work the station. Activity will be from early June for around 28 days.

- MOCVO Antennas are proud to announce the introduction of a new VHF preamp/LNA to their range of products. Can be used masthead or on the bench. For full details please visit [www.mocvoantennas.com/](http://www.mocvoantennas.com/).

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 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. Please note that we don't normally print 'closed', 'TBA' or 'every Tuesday' type submissions. The deadline for the July 2013 RadCom is 24 May and for the August 2013 edition it's 21 June. For GB2RS, the deadline is 10am on the Thursday for the week of broadcast. If you need to amend your club details, please visit www.rsgb.org/clubupdates.

**INTERNATIONAL**

**PAFOS RADIO CLUB, CYPRUS**  
Richard, 5B4AJG, 00357 97857891, 5B4AJG@cyprusliving.org

**NATIONAL**

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

**REGION 1: SCOTLAND SOUTH & WESTERN ISLES**

REGIONAL MANAGER: JASON, O'NEILL, GM7VSB,, RM1@RSGB.ORG.UK

**Cockenzie & Port Seton ARC**  
Bob, GM4UYZ, 01875 811 723, www.cpsarc.com  
7 Normal club night  
9 *Practical Wireless* 144MHz QRP Contest  
15-16 Museums on the Air, GB2MOF at Museum of Flight, East Fortune  
19 CPSARC HF activity night 7pm to 10pm  
28 Normal club night (note change of night)  
**Kilmarnock & Loudoun ARC**  
Graham, MM3GDC, mm3gdc@btinternet.com  
11, 25 Club night, 7.30pm  
**Lothians Radio Society**  
Alan, GM3PSP, 0131 623

4580, alanjmasson@virginmedia.com  
12 AGM  
26 Summer barbecue  
**Stirling & District ARS**  
John McGowan, gm0fsv@gm6nx.com  
2, 9, 16, 23, 30 Construction, RCE training, projects and operating, 10.30am till late afternoon  
6, 13, 20, 27 Weekly meeting  
**West of Scotland ARS**  
info@wosars.org.uk, www.wosars.org.uk  
5, 12, 19, 26 Construction night & licence preparation  
7, 14, 21, 28 Club night with talks, quiz & raffle

GB2VEF was operated by **Cockenzie & Port Seton ARC** on behalf of the Vulcan to the Sky Club and Trust to promote the Vulcan Bomber XH558 in her 2013 flying season. The sun came out at last and new licensee, AI, MM6LRK can be seen winding up the 60ft tower.



Assisted by **Stirling & District ARS** the 470 Squadron (Falkirk ATC) operated from the site of the former RAF Grangemouth Airfield to celebrate the 75th Anniversary of the Royal Air Force Amateur Radio Society using the special call GB2ATC. Although a very modest portable setup was used on the day consisting of a FT-847 and a 4 band rotary dipole, there were many contacts established between



other RAF stations including HQ as well as many other contacts with amateur operators. Robert Tripney, MMORDT, a civilian instructor with Falkirk ATC, operated the special call for the event along with some

of the cadets from 470 SQ Falkirk. GB2ATC would like to thank the many stations calling in on the day and especially the other RAF stations contacted during the event.

**REGION 2: SCOTLAND NORTH & NORTHERN ISLES**

REGIONAL MANAGER: DENNY MORRISON, GM1BAN, RM2@RSGB.ORG.UK

**Aberdeen ARS**  
Fred Gordon, MM0ODL, 01975 651 365  
6 Junk sale  
15 Museums on the Air at Bennachie Centre  
27 Morse & on the air  
**Glenrothes & DRC**  
Tam, 0775 3526 498

1 NFD at Union Farm  
5 Plan for IMOTA  
12 Search on Sound, Tam  
15-26 IMOTA at Scotland's Secret Bunker  
19 Operating evening  
22-23 IMOTA at Scotlands Secret Bunker  
26 Radio interest film

**Glenrothes and DARC** has a new website. The new URL is www.gdarc.webs.com. They are encouraging all radio amateurs to drop in and find out more about the club.

**Aberdeen ARS** is very saddened to report the passing of Stanley Sutherland, GM4BKV, aged 90, who was a great stalwart of the society and is much missed. Stanley joined the Royal Navy prior to WW2 as a boy seaman and served throughout the war, rising to the rank of Petty Officer. He escaped twice from ships that had been torpedoed, on the first occasion in *HMS Calypso*, a C class cruiser torpedoed by an Italian submarine. After War service, Stanley briefly worked ashore before going back to sea as a Merchant Navy officer and held a Master Mariners certificate. He served in the Ben Line that traded mainly to the Far East. Stan then decided on a career change going to university to qualify as a physics teacher, he

then spent the rest of his career as a teacher in Aberdeen schools. In his long association with Aberdeen ARS, Stanley served in various committee posts. For many years he was the lead teacher in the amateur radio syllabus and many amateurs were to pass the exams and became licensed with Stan's excellent tuition. He also was the QSL manager for the Society and administered the Society's WAGM (Worked all GM) award.

He was a very keen Royal Navy Amateur Radio Society member and ran RNARS nets, in addition to being active on HF and VHF he was a great supporter of Aberdeen's various field events and special event stations always being keen to get on the air and encourage beginners to have a go.



**REGION 3: NORTH WEST**

REGIONAL MANAGER: KATH WILSON, M1CNY, RM3@RSGB.ORG.UK

**Bolton Wireless Club**  
boltonwireless@gmail.com  
3 An evening with Rev George Dobbs, G3RJV  
17 APRS developments, Chris, G4HYG

**Chester & DRS**  
Bruce Sutherland, M0CVP, 01244 343 825  
4 Surplus sale  
11 Committee meeting  
18 SDR, Chris, G0PJJ



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- 25 Operating club station at CMBC
- Mid-Cheshire ARS**  
**Peter Paul Fox, G8HAV,**  
**01606 553 401**
- 5 Antenna and preamps removal
- 12 HF station on the air
- 19 Committee meeting
- 26 Boxing up equipment for VHF NFD
- South Lancashire ARC**  
**Allan Green, 2EORAG,**  
**07533 970 841**
- 12 The dark and until now untold history of GB3PZ by G4ZPZ
- 22 Summer rally
- South Manchester R&CC**  
**Ron, G3SVW, 01619 693 999**
- 6 Programmable logic for the amateur, Dave, G4UGM
- 13 2m fox hunt
- 16 Special event station at Sale Festival
- 20 Summer solstice BBQ
- 23 Car boot sale (9.30 for cars,

- foot traffic 10.30)
- 24 Technical forum
- 27 Royal Engineers Motor Cycle Display Team – Mike Brough
- 30 472kHz activity day
- Stockport RS**  
**Nigel Roscoe, 07973 312 699,**  
**info@g8srs.co.uk**
- 1-2 National Field Day
- 4 Repeaters and Voice over Internet protocol, Gareth, M6IGJ
- 18 The G50 Story, Ed, 2EOCFM
- Thornton Cleveleys ARS**  
**John E Rodway, G4FRK,**  
**01253 862 810**
- 3 Natter night
- 10 Technical talk, G4EZM
- 17 Nautical days (sparks at sea), G3OSR
- 24 VHF Field Day discussion
- Workington & D AR&IT Group**  
**Barry Easdon, G0RZI,**  
**01946 812 092,**  
**barrydrm31@hotmail.co.uk**
- 10 Club website, Alex, G7KSE
- 24 Club meeting and OTA

- 23 LAM Communications rally at Elsecar Heritage Centre
- 29 Open day at Pie Hall, Denby Dale, HD8 8RX
- 30 WAB contest from Cartworth Moor
- Sheffield ARC**  
**Peter Day, G3PHO,**  
**sarc@g3pho.org.uk**

- 1 RSGB National Field Day (CW): G2AS/P
- 3 Social night & RSGB 80m Club Contest as G3RCM
- 10 Portable evening and club activity contest
- 17 VHF Field Day planning meeting

For International Museums Weekend, **Wakefield & DRS** will be active from The Hepworth, Wakefield on 15 and 16 June using the callsign GB1HW. The Hepworth is one of the galleries in the Tate Plus group and it is dedicated (though not exclusive) to the works of Wakefield's internationally famous local artist, Barbara Hepworth.

The club intends to run one HF station from within the gallery grounds. Activity will begin at about 8.30am each day and close at around 5pm. Active bands

are expected to be 14MHz to 50MHz, with a bias to the higher frequencies, depending on the availability of propagation. See QRZ.com GB1HW for updates during the event. QSLs will be electronic, via EQSL.cc, only and features a rather nice photo of the gallery. Visiting amateurs are welcome during the activation.



The **Workington Radio Club** had their presentation on 21 April at the Workington Lifeboat Station. They presented a cheque for £1,024 to be divided between the three lifeboat stations in the north of Cumbria. GB1LBC at Silloth, GB2LBC at Workington and GB4LBC at St Bees were all manned by club members and joined by Paul, GMOKMJ. This was a great adventure for both Workington & Furness clubs and they would like to thank all the operators who took part at the various stations during the event, particularly Bill, G4USW the QSL manager.



licence from the Post Office, the fifth English club to do so. **Furness Amateur Radio Society**, as a successor to that association, is celebrating this centenary with a series of events and on-air activities. Ofcom have been approached for a special callsign and as this will be announced as soon as it is confirmed. Amateurs in the UK and beyond are invited to work the station. Activity will be from early June for around 28 days.

On 26 June 1913, Barrow Wireless Association in NW England received a transmitting

#### REGION 4: NORTH EAST

REGIONAL MANAGER: HAROLD SCRIVENS, GOUGE, RM4@RSGB.ORG.UK

- Angel of the North ARC**  
**Nancy Bone, G7UUR,**  
**01914 770 036,**  
**nancybone2001@yahoo.co.uk**
- 3, 17, 24 On the air
- 10 Talk, 7.30pm, all welcome
- Denby Dale RC**  
**Richard, MORBG,**  
**07976 220 126,**  
**m0rbg@talktalk.net**

- 5 Planning for open day & Honley Show, GB2HS
- 8 GB2HS at Honley Show
- 9 Clayton West Gala
- 12, 26 Night on the air, 145.575MHz
- 16 WAB contest from Cartworth Moor
- 19 Club night
- 22-23 Museums on the Air

#### REGION 5: WEST MIDLANDS

REGIONAL MANAGER: VAUGHAN RAVENSCROFT, MOVRR, RM5@RSGB.ORG.UK

- Aldridge & Barr Beacon ARC**  
**Albert, G0KFS,**  
**01922 614 169**
- 3 CW tuition
- 17 Fault finding
- Bromsgrove & DARC**  
**Chris, MOBQE,**  
**01905 776 869,**  
**g3vvg@hotmail.com**
- 7 Antenna workshop
- 14 Training on the FT-1000 operation
- 21 VHF night
- 28 HF night
- Central Radio Amateur Circle**  
**Martin Hallard, G1TYV,**  
**07906 905 071,**  
**radio-circle@live.co.uk**
- 6, 20 On the air
- 15 Plug & play day, Barr Beacon, 10.30am
- Coventry ARS**  
**John, G8SEQ, 07958 777 363**
- 3, 11, 17, 24 Club net on 145.375MHz
- 7 Nuneaton Wildlife Centre, Geoff Grewcock
- 14 Castles on the Air, Astley Castle
- 21 2nd Round G4ZMC Trophy, Hatton Locks
- 22-23 Museums on the Air, The Herbert, Coventry
- 28 SSTV radio workshop

- 30 30th Signals Bramcote open day, GB4BLC
- Gloucester AR&ES**  
**Anne, 2E1GKY,**  
**01242 699 595, daytime,**  
**www.g4aym.org.uk**
- 3 DF hunt
- 10 VHF operation/construction and Intermediate exam
- 17 Outdoor operating with picnic and longest day draw (or talk on Severnside operating by Brian, G4CIB and Malcolm, G6UGW if wet)
- 24 Informal evening
- Midland ARS**  
**Norman, G8BHE,**  
**07808 078 003**
- 5 Open meeting, shack on the air and training classes
- 9 QRP Rally at Alfreton Leisure Centre
- 12 Committee meeting and training classes
- 19 Social planning evening, shack on the air and training classes
- 26 General meeting, rallies and outside events and training classes
- Salop ARS**  
**www.salop-ars.org.uk**
- 6 Natter night and committee meeting



- 13 Fox hunt with Ken, G8DIR as the fox
- 20 SARS / PARC BBQ at The Sun
- 27 Natter night
- South Birmingham RS**  
**Mick Cleary, G7RRP,**  
**07595 696 359,**  
**g7rrp@btinternet.com**
- 3 Shack on the air, open meeting
- 4, 11, 18, 25 Coffee morning 11am till 1pm, all welcome
- 5 Lecture in main hall
- 6, 13, 20, 27 Training classes with Dave, G8OWL
- 9 QRP Rally with NADARS at Alfreton Centre
- 10 Field day review
- 14 Shack and aerial work
- 24 Sorting out surplus gear for sale
- Sutton Coldfield ARS**  
**Robert Bird,**  
**spirit.guide@hotmail.co.uk**
- 3, 17 Open net 145.250MHz from 7.30pm
- 10 DXCC, Bob, G3PLP, plus OTA
- 11 Open net 70.475MHz from 7.30pm
- 15 British Inland Waterways on the Air at Fazeley Mill Marina
- 24 Finalising details for VHF/UHF weekend plus OTA
- Telford & DARS**  
**Mike, G3JKX, 01952 299 677,**  
**mjstreetg3jx@blueyonder.co.uk**
- 5 Committee meeting & GX3ZME OTA

- 12 VHF NFD planning
- 19 Portable in the field
- 26 Boat trip
- Worcester RAA**  
**Rich Moles, M0UVA,**  
**secretary@m0zoo.co.uk**
- 2, 23, 30 Club net on 145.225MHz, 20:00
- 3 80m Club Championships DATA Contest; Foundation course
- 4 Morse class; Free 'n' Easy/144 MHz UKAC Contest
- 7, 14, 21 Shack social
- 9 Club Trip to J28 QRP Rally, Alfreton; club net on 145.225MHz
- 10, 15 Foundation course
- 11 Morse class; committee meeting
- 12 80m Club Championships CW Contest
- 16 Trip to Newbury Rally, club net on 145.225MHz
- 17 Mock Foundation exam
- 18 Morse class; Worked All Britain Awards Scheme by Judith, G4IAQ & Dave, G4IAR
- 20 80m Club Championships SSB Contest
- 24 Curry Night at the Monsoon; Foundation exam
- 25 Practical evening with Ed, Morse class; DFing for Dummies, Chris, G0EYO
- 28 Summer fox hunt

Gloucestershire RAYNET recently participated in a large scale multi agency exercise involving helicopters, hovercraft, UAVs and sniffer dogs. More than 400 emergency workers descended on Cotswold Water Park, near Cirencester, to simulate the response that would be needed in the event of an aircraft collision in mid-air.

With only the scenario known, the ten members were initially requested to rendezvous at the Fire Strategic Holding Area located on a nearby army barracks, before being tasked to provide radio links back to the fire control room at the Tri-Service headquarters outside Gloucester, and also deploy into the incident zone. Less than an hour later, point to point contact was made between the two locations via talk through units for messages to be passed, in case of an Airwave failure. Ironically, this did happen,

and the only air to ground VHF liaison with the RAF Sea King deployed from Chivenor was via marine licenced RAYNET personnel on site, sparing a few red faces!

Due to the exercise ending early, members were denied the opportunity to deploy with police search teams and the experience of having to kit up in full forensic white suits. The experience provided an excellent opportunity to demonstrate the group's capabilities and impress those conducting the exercise – including national observers – as well as re-establish good contacts with blue light and fellow volunteer agencies.



Photo courtesy Max White, MOVNG

GB2BCN will operate at the Pelsall Canal Festival on Pelsall Common from 14 to 17 June. The purpose of this Festival is to celebrate 200+ years of inland waterway transport and recreation with a rally of traditional and modern replica narrowboats on this picturesque section of the UK's central canals. Over 100 narrowboats are expected to attend the rally while the adjoining and spacious Pelsall Common will host a variety of stalls and attractions for visitors including a marquee of real ales from the nearby Black Country, and fun-fair entertainment for children. Admission is free and visitor car parking is available at the end of Wood Lane, Pelsall, Walsall, WS3 5DY.

Boating visitors (especially BiWota members) are also very welcome to attend and are invited to submit the boat-entry form available on the BCN Society website, [www.bcnociety.co.uk](http://www.bcnociety.co.uk). Further details with 'live' updates are also being posted on [www.qrz.com/db/gb2bcn](http://www.qrz.com/db/gb2bcn).

**Central RAC** would like to say well done to Roy on passing his Foundation exam. He hopes to go on and study for the Intermediate licence next. Congratulations also go to Ian, M6YRU, Mark, M6MPE, Paul, M6CKL and Mark, M6CKJ with their instructor Martin, G1TYV

(pictured) and also Damian, M6DHM. Since this picture (below) was taken, Mark, M6CKJ has passed his Intermediate exam and is now 2EOMGX and he is studying for the advance exam in May



**Midland ARS** recently had three members pass the Intermediate examination. Paul-Michael and Steven are shown here with tutor and chief examiner Ron, MOWSN.



## REGION 6: NORTH WALES

REGIONAL MANAGER: MARK HARPER, MW1MDH, [RM6@RSGB.ORG.UK](mailto:RM6@RSGB.ORG.UK)

### Powys ARC

Dave, GW4NQJ, 07870 827 887, [www.parc.care4free.net](http://www.parc.care4free.net)

6 Nanowaves (modulated light) by Dave, G8VZT

20 BBQ with Salop ARS at Sun Inn, Marton

## REGION 7: SOUTH WALES

REGIONAL MANAGER: JIMMY SNEDDON, MW0EQL, [RM7@RSGB.ORG.UK](mailto:RM7@RSGB.ORG.UK)

### Aberystwyth & DARS

Ray, GW7AGG,  
01970 611 853,  
[ray@clocktower.go-plus.net](mailto:ray@clocktower.go-plus.net)

- 9 Public demonstrations at Aberystwyth Cliff Railway open day and RSGB Centenary station GB100RSGB on the air
- 27 Night on the air on 145.500MHz then 145.550MHz

### Carmarthen ARS

Lloyd, 2WOLLT,  
01239 711 297,  
[2WOLLT@talktalk.net](mailto:2WOLLT@talktalk.net)

- 4 Rig clinic
- 18 Open night
- Llanelli ARS Craig, MW0MXT,**  
**01269 845 773,**  
**[craig@mw0mxt.co.uk](mailto:craig@mw0mxt.co.uk)**
- 1-3 GW100RSGB on the air
- 10 GC0EZQ on the air and club raffle
- 17 On the air
- 24 DVD and club raffle

**REGION 8: NORTHERN IRELAND**

REGIONAL MANAGER: PHILIP HOSEY, MIOMSO, RM8@RSGB.ORG.UK

**West Tyrone Amateur Radio Club** recently held their AGM. The following were elected to the club's committee: Chairman, Eddie, G17FHZ; Vice-Chairman, Frank, 2I0FPG; Secretary, Paul, 2I0LDC; Treasurer, Sean, GIOEJT; PRO, John, 2I0OMA; Committee Members, Eric, G14SXX & James, G13YBZ.

**Lough Erne Amateur Radio Club** would like to thank all who took part in the 32nd Lough Erne Rally. The Club was particularly pleased to welcome the entire Regional Team at the RSGB stand – Phillip,

MIOMSO, Melvin, MIOMSR, Bobby, MIORYL and Trevor, MI5TCC. Despite disruptive weather all the expected traders expected attended. Only one exhibitor was missing and all tables were full in the big SHARE Arena. Numbers were noticeably lower, due to a mix of very bad weather, travel costs and financial recession.



**REGION 9: LONDON & THAMES VALLEY**

REGIONAL MANAGER: LARRY SMITH, G4OXY, RM9@RSGB.ORG.UK

**Bromley & DARS**  
**Andy, G4WGZ, 01689 878 089**  
 1 Bromley Pageant of Motoring  
 18 G100RSGB on the air from lunchtime to 10pm  
**Burnham Beeches RC**  
**Dave, G4XDU, 01628 625 720**  
 3 Club contest  
 17 Raspberry Pi, Paul, G6TSF  
**Chesham & DARS**  
**Terry, G0VFW, 01442 831 491,**  
**cdars.club@ntlworld.com**  
 1-2 Weekend event: RSGB HF CW Field Day  
 5 General meeting & night on the air  
 12 QSL Cards, Chris, MOGVT  
 19 Members' forum – bring along your radio equipment  
 26 Pedestrian DF contest, 2m FM  
**Coulsdon ATS**  
**Steve Beal G3WZK,**  
**secretary@catsradio.org**  
 10 DF hunt on Coulsdon Common  
**Cray Valley RS**  
**Malcolm Bryan, G8MCA, 07906 433 965**  
 6 Bletchley Park codebreaking presentation by Martin, G3ZAY  
 20 Annual DF hunt, 8pm  
**Crystal Palace R&EC**  
**Bob, G30OU, 01737 552 170,**  
**g30ou@aol.com**  
 7 DSP noise cancellation, Graham, M3ZGS  
**Dorking & DRS**  
**Garth, G3NPC, 01737 359 472,**  
**www.ddrs.org.uk**  
 25 Presentation by RSGB

General Manager  
 Graham Coomber, GONBI  
**Edgware & DRS**  
**Mike, G4RNW, 02089 500 658,**  
**michael.stewart5@ntlworld.com**  
 13 Table top sale  
**Newbury & DARS**  
**Rob, G4LMW, 01635 862 737,**  
**g4lmw@btconnect.com**  
 1 NFD, team leaders G4LMW & G0ORH  
 3 80m Club Championships DATA  
 12 80m Club Championships SSB  
 16 Newbury Radio Rally  
**Reading & DARC**  
**Pete, G8FRC, 01189 695 697**  
 23 Transistors & valves, Des, G8FIF and Dave, MOPMZ  
 23 DF techniques at the London Olympics 2012, Chris, G3VEH  
**Southgate ARC**  
**Mr K Mendum, G8RPA,**  
**g8rpa@arrl.net**  
 12 Building your own 70cm aerial for DFing  
 23 DF hunt using the previously built aerial  
**Surrey Radio Contact Club**  
**John, G3MCX,**  
**020 8688 3322,**  
**john.g3mcx@btinternet.com**  
 3 Construction contest  
 17 Fix it and natter night  
**Sutton & Cheam RS**  
**John, G0BWV,**  
**020 8644 9945,**  
**info@scrs.org.uk**  
 20 Practical antenna design,

Mike, G0JMI, from Alton Antenna Arrays  
**Verulam ARC**  
**Ralph, G1BSZ, 01923 265 572,**  
**g1bsz@aol.com**  
 13 Social with GB3VH repeater group, 7.30pm, Rose and Crown Pub  
 23 All day Sunday operating at

field cabin site with BBQ from 12.30pm  
**Wimbledon & DARS**  
**Andrew Maish G4ADM,**  
**02083 353 434**  
 14 A DVD from the RSGB Audio Visual Library  
 28 On the air

**Reading & DARC** had nine candidates pass the Spring 2013 Foundation exam with flying colours. The highest mark was 100% and nothing less than 97% for all the other candidates. From left to right in the picture are Andy, Carl, Robert, Roddy, Andrew, Dorian, John, Richard and Peter. Some of these will be sitting the Intermediate exam soon. The next Foundation course will be in October, please check www.radarc.org/ for further details.



In April, a group from **Dorking & DRS**, with friends from Guildford and Echelford societies, was privileged to visit Surrey Satellite Technology Ltd (SSTL) at Guildford. SSTL designs, makes and operates small satellites for civil and military use. The company was founded by Sir Martin Sweeting, G3YJO. It has grown from an offshoot company from research at the University of

Surrey to be part of the Astrium aerospace group. It now has 600 employees at three locations in the UK as well as in Colorado. Their hosts were Dr Stuart Eves (SSTL) and Dr Chris Bridges (UoS) who made presentations about the company and the capability of its satellites, as well as describing a student team project which studied the effect of the space environment on a mobile phone. The group was able to see the company's manufacturing and commissioning activity housed within a very large clean room. They also saw its satellite control room used to monitor and receive telemetry as well as controlling the satellites' orbital positions. Interestingly the control room had no one in it, it was completely automated. All were astonished by SSTL's achievements and left with renewed faith in UK technology and enterprise.



**REGION 10: SOUTH & SOUTH EAST**

REGIONAL MANAGER: MICHAEL SENIOR, G4EFO, RM10@RSGB.ORG.UK

**Basingstoke ARC**  
**Tim, G3PJD, 07754 132 859**  
 17 SDR radio  
**Brede Steam ARS**  
**Steve, 01424 720 815,**  
**MONUC@aol.com**  
 1 AGM  
 4, 11, 18, 25 At the shack  
**Fareham & DARC**  
**Derek, G4JLP, 01329 823 405**  
 5 SDR dongles: why every ham should have one, Andrew, G4XZL  
 12 Club quiz, other clubs most welcome  
 19 Portable on Portsdown Hill  
**Farnborough & DRS**  
**Neville, G4SPD,**  
**01252 404 816**

3, 10, 17, 24 80m slow Morse net, 3.570MHz, 1pm;  
 Top Band G2DX club net, 1.995MHz, 8pm  
 5, 19 Slow Morse club net, 1.995MHz, 8pm  
 7, 14, 21, 28 2m club net, 144.675MHz, 8pm  
**Fort Purbrook ARC**  
**Neil Hoare, MONEH,**  
**02392 378 559,**  
**07740 056 451**  
 28 Natter night, 7pm  
**Harwell ARS**  
**Malcolm, G8NRP,**  
**01235 524 844,**  
**info@g3pia.org.uk**  
 11 Software defined radio, Mike, MOCUL



25 Shack activity night  
**Horndean & DARC**  
**Stuart, G0FYX,**  
**02392 472 846,**  
**www.hdarc.co.uk**  
 6 Natter night/social evening  
 15-16 GBORMM from the  
 Royal Marines Museum  
 20 The Rowans Hospice,  
 Martin MOJTN  
**Horsham ARC**  
**Alister, G3ZBU,**  
**01932 242 243,**  
**www.harc.org.uk**  
 6 RF leakage from cable  
 networks, G4LRP  
 13 Social at The Plough

**Mid-Sussex ARS**  
**Mike Mundy, G1TDL,**  
**01444 246 899**  
 7 Foxhunt  
 14 Club 47th anniversary  
 at the Windmills  
 21 Morse refresher,  
 Mike, G3VAK  
 28 Workshop  
**Southdown ARS**  
**John, G3DQY, 01424 424 319**  
 3 Talk on APRS, Bob Clinton,  
 GOBUX  
**Swindon & DARC Den,**  
**MOACM, 07810 317 750,**  
**www.sdarc.net**  
 6, 13, 20, 27 Activity Night

**Worthing & DARC** meets every Wednesday evening at 8pm in the Lancing Parish Hall, Lancing, West Sussex. Contact John, G8FMJ on 01273 593 232.

**Horndean & DARC** held an Advanced level exam for three candidates in March. Two out of three candidates passed. They would like to thank the club's Advanced level tutor Rob, MORZF. Also in March, the club ran their tenth Foundation exam and eleventh Intermediate exam. Training was supported with equipment bought with the club's Awards-for-All Lottery grant. All six Foundation and all five Intermediate candidates passed. Congratulations to all the successful candidates and thanks to the club's Foundation tutor John, MOHEX, and posthumously thanks to the Intermediate tutor Ronald, G3UKU. The club was shocked to learn that Ronald suddenly passed away 16 days before the exam, and his students have asked that a special mention be made of the help he gave them during the training for the Intermediate exam. The club will greatly miss Ronald

and the valuable contribution he made. Some additional training for the Intermediate course was subsequently given by training manager Ken, GOJWL and also by the training associate Simon, GOIEY.



(L to R): Tutor John, MOHEX, John Taylor, Paul Phillips, Martin, M6FEL, Maurice Phillips, Roger, M6KWN. Seated is Simon Worger.



(L to R): Simon Bradley, Grahame Webster, David Rudling, Michael, 2E0ZAZ, tutor Ken, GOJWL holding the pass certificate for Gordon, 2E0CSN. Gordon had to leave immediately after the exam.

## REGION 11: SOUTH WEST & CHANNEL ISLANDS

REGIONAL MANAGER: PAM HELLIWELL, G7SME, RM11@RSGB.ORG.UK

**Bristol RSGB Group**  
**Robin, G3TKF, 01225 420 442**  
 24 G3SJI: Summer "Christmas"  
 Party  
**Cornish Radio Amateur Club**  
**Steve, G7VOH, 01209 844 939,**  
**G7VOH@btinternet.com**

6 Main meeting  
 15 Radio demonstration at  
 Redruth Murdoch Day  
 20 Workshop evening  
**Exeter ARS**  
**Nick, 2E0NRJ, 01363 775 756,**  
**info@exeterars.co.uk**

3, 17 HF net on 3.675MHz  
 7.45pm  
 4, 11, 18, 25 2m net on  
 145.575MHz 7.45pm  
 10 Digital modes evening using  
*Fldigi*, 7pm; HF net  
 3.675MHz 7.45pm  
 24 Repeaters and how they work  
 by John G8XQQ at 7pm;  
 HF net 3.675MHz 7.45pm  
**Flight Refuelling ARS**  
**John, G4POF,**  
**g4pof@hotmail.com**  
 16 Shutter telegraphy by  
 John, MOXIG  
**Mid Somerset ARC**  
**Nick, 2E0FGQ, 01749 346 320,**  
**nick.bennett@midsarc.org.uk**  
 11 Club night with themed  
 evening or guest speaker  
 7.30pm  
 25 Social gathering at The King's  
 Arms (AKA Dust Hole)  
**Plymouth RC**  
**Robert Goodhall,**  
**01752 777 888,**  
**robert.2e0itn@gmail.com**  
 11 Technical talk by  
 Kurt Langfeld, MOKPL  
**Poldhu ARC**  
**Keith Matthew, GOWYS,**  
**g0wys@yahoo.co.uk**  
 11 Pre 706T, John Farrar,  
 G3UCQ  
**Poole Radio Society**  
**Bill Coombes, G4ERV,**  
**secretary@g4prs.org.uk**  
 3, 12, 19, 26 Club 2m net,  
 2m FM  
 7 Activity night & Advanced  
 course  
 9 PW 2m QRP Contest  
 14 Construction contest

21 Activity night & Advanced  
 mock exam  
 23 Day at Hamworthy Park  
 28 Activity night & Advanced  
 revision  
**Riviera ARC**  
**Alan Wyatt, G2DXU,**  
**rivieraarc@gmail.com**  
 4, 11, 18, 25 Club meeting,  
 MXORIV on the air  
 5, 12, 19, 26 2m net on  
 145.425MHz, 20:00  
**Saltash & DARC**  
**Brian, MOBHG, 01752 844 321,**  
**m0bhg@yahoo.co.uk**  
 6 Programme review and  
 natter night  
**South Bristol ARC**  
**Andrew Jenner, G7KNA,**  
**07838 695 471**  
 6 VHF NFD demonstration  
 13 Summer BBQ  
 20 Summer table top sale  
 27 Open house and on the  
 air night  
**Thornbury & South**  
**Gloucestershire ARC**  
**Tony, G0WMB, 01454 417 048,**  
**tonytsgarc@btinternet.com**  
 5 Mobile fox hunt,  
 Peter, G4OST  
 7, 14, 21, 28 2m net at 8pm  
 12, 26 On the air  
 19 Visit to model flying club  
 with G6RAZ  
**Yeovil ARC**  
**Rodney Edwards, MORGE,**  
**01935 825 791,**  
**rodney.edwards@uwclub.net**  
 6, 13 Field Day at Sexeys  
 Playing Fields, Bruton  
 20 2m fox hunt  
 27 On the air

Four members of the **Poldhu ARC** obtained their Intermediate licences recently. From left to right are Robin, 2E0RER, Frankie, 2E0CTD, Jim, 2E0JYA and Barry, 2E0LLO. Their tutor was Keith, GOWYS.



## REGION 12: EAST & EAST ANGLIA

REGIONAL MANAGER: MARK SANDERSON, MOIEO, RM12@RSGB.ORG.UK

**Bittern DX Group**  
**Linda, G0AJJ, 01692 218 562,**  
**secretary@bittern-dxers.org.uk**  
 27 Club meeting at The Roman  
 Camp Inn  
**Braintree & DARS**  
**John, M5AJB, 01787 460 947**  
 3 Speaker from Essex Air  
 Ambulance plus table top  
 purchases

17 Construction contest  
**Bredhurst Receiving and**  
**Transmitting Society**  
**Charles G4VSZ, 07982 244 788,**  
**secretary@brats-qth.org**  
 15 5MHz Day – building aerials  
 and operating from the  
 shack  
 29 GB4BVF at Bredhurst  
 Village Fete

**Cambridge & DARC**

**David, MOZEB, 01353 778 093**  
14 Astronomy for your holidays,  
Peter, MODCV

28 Constructors' evening - bring  
and show something you've  
made

**Chelmsford ARS**

**Martyn, G1EFL,**  
**01245 469 008,**

**www.g0mwg.org.uk**  
14 Used Royal Navy Equipment  
for Radio Amateurs,  
Charles Riley

**Coalhouse Fort ARS**

**Tony Reynard G7HJT,**  
**07976 553 345**  
30 GB1CHF on the air (11-5pm)  
for open day

**Colchester Radio Amateurs**  
**Jeff, G7TAT, 0789 9894 435,**  
**g7tat@live.co.uk**

20 HF antennas for a postage-  
stamp garden, Bill, 2E0BMG

**Darenth Valley Radio Society**  
**Bob, MORAW, 01322 663 804,**  
**to m0raw-bob@talktalk.net**

12 Aerial erection for fault  
finding  
26 VHF Field Day preparation  
**Dover RC**

**Pete, MOPKH,**  
**peter.halloway@sky.com**

5 Low power fox hunt,  
Alkham Valley  
12 Operating in South Africa,  
Roger, G3SXW

19 Natter night  
26 Having fun on APRS on 2m  
and HF, Matt, M1CMN

**East Kent RS**

**Karl Davies, M1DFM,**  
**01227 710 120,**  
**karl.davies@talk21.com**

3 A Yorkshire childhood,  
Doris Hatch

17 Bob MacDonald  
23 Stelling Minnis meeting  
and picnic

**Felixstowe & DARS**

**Paul, G4YQC,**  
**pjw@btinternet.com**  
10 Preparing for ESWR rally

23 ESWR rally  
24 Field activity evening,  
Felixstowe beach, with  
Peter, G8BLS and  
Steve, M1ACB

**Harwich ARIG**

**Kevan, 2E0WVG,**  
**07766 543 784**  
**kevan2e0wvg@live.co.uk**

12 Remote control,  
Joe, G0JJG

**Hilderstone R&EC**

**Chrissie Turner,**  
**hilderstoneclub@gmail.com**  
13 Natter night

27 The story of Thomas Russell  
Crampton, Peter Shaw

**Loughton & Epping Forest ARS**  
**Marc Litchman, G0TOC,**  
**02085 021 645**

20 Science and Technology  
education days

**Lowestoft & District PYE ARC**  
**Tim Ward, 2E0TJW,**  
**07810 481 182,**

**tim@2E0TJW.co.uk**  
6, 13, 20, 27 Club night at  
the shack

**Norfolk ARC**

**Chris Danby, GODWV,**  
**01603 898 678,**  
**cmdanby@btinternet.com**  
1-2 NFD and Radio Active  
weekend at Ellingham Ranch

5 Sun by day, aurora by night  
Paul Money FRAS FBIS

12 Informal in the main room,  
workshop in the side room

19 SSB contesting: how it  
should be done,  
Paul, G3SEM

26 Fox hunt prep / planning

**South Essex ARS**

**Dave, G4UVJ, 01268 697 978,**  
**g4uvj@btinternet.com**

11 On the air  
22 Dave, G4AJY's 70<sup>th</sup> birthday  
evening (invitation only)

23 Bay Museum for Museums  
on the Air

29 Armed Forces Day at The  
Paddocks, Canvey Island

**Thames ARG**

**Pete Sipple, MOPSX,**  
**07940 579 116**

7 My SOTA experiences,  
Peter, G1FOA

**West Kent ARS**

**Keith G4JED,**  
**info@wkars.org.uk**  
10 SDR introduction and demo  
of Flexradio 1500 by  
Wilfrid, M0GYE

The radio community recently gave **Dover ARC** fantastic support by donating some raffles prizes said Pete, MOPKH, DARC Chairman. Thanks go to Martyn Lynch & Sons, Icom UK, Fox Delta, LAMCO,

Stuart Electronics, Yaesu UK and the RSGB. These raffle prizes along with other donations and activities raised over £400 for the Kent Repeater Group. This will go towards the re-siting and

installation of GB3KS. The picture shows some of the lucky prize winners at the AGM.



**Hilderstone ARC** took part in Crampton Tower Hobbies Weekend in April. The club set up a radio station consisting of a Yaesu FT-897d, Icom IC-703 and a Comet 250B antenna system, demonstrating datamodes and CW throughout the weekend. Peter, GOKOK brought various types of Morse keys including his specially produced key number 50 of 250 in celebration of the RSGB's centenary. At the club meeting Dr Ken Smith gave a fascinating talk on the early telegraph system, the first 'internet'.



Six members of **Hilderstone RC** enjoyed four very successful days at the GEEK show in Margate – John, G7OHO, Patrick, M0ZPK, Ian, M0CAG, Denis, M6DES and Danny, M6ZDD – not playing on the retro games but explaining the capabilities of the Raspberry Pi and the Arduino to visitors. They were joined on the Sunday by 6 year old Oliver Barclay from Callis Grange nursery and infant school who demonstrated squishy circuits with conducting dough. This too was a great hit, especially with radio amateur Daniel, M0EBK and his family. Oliver is in the centre of the photograph. At the club meeting Peter, GOKOK gave an interesting talk on his operating adventures in Barbados under his special call sign, 8P9CC. He showed the impressive antennas at the Barbados Radio Society and the antenna he set up himself on the hotel roof!

The club had a very successful evening with all four candidates passing their Foundation exam –

Denis Kirkden, Danny Day, Paul Russell and Nick Parker.



Fifteen excited Brentwood School students were eager to broadcast after a whole day of hands-on experimental radio, where they made contact with other stations as far afield as Moscow and were even given a chance to construct their own medium frequency (MF) receiver. The stations reached were patient and happy to respond to the students, who were able to contact both mobile and static stations throughout the day. They conducted professional conversations about location, weather conditions and equipment setup with other radio technicians around the globe. Information Technology teacher and RSGB Member Stanley Anders provided the equipment and was able to help students by sharing his amateur radio expertise.

Students were also given an opportunity to construct their own MF radios in the School's Design and Technology department. The design was not complex by modern standards but proved to be challenging to make in just a few hours. Although some students did not succeed in making the device, they all found the experience an interesting tie-in with the rest of the day's activities.

In April, **Braintree & DARS** hosted Mark Sanderson M0IEO, the RSGB Regional Manager. Mark was accompanied by Norman, M0EZW, the Essex rep. Mark brought the club up to date with what was happening with the Centenary celebrations and G100RSGB. Mark and Norman said they would take any concerns back to the RSGB. It is most helpful to have the RSGB reps available and the club enjoyed their company.





Back in March, the **Braintree & DARS** was visited by members of the Essex CW club. Jonathon, G0DBJ, assisted by Steven, G4ZUL and Andrew, G0IBN, gave them a fascinating talk starting with the history of the Essex CW club, which was formed by a few CW fans in 2009. Their idea was to promote the continued use of the oldest form of data communication by helping the new licence holders to learn Morse, and reminding



the older hands that their hidden Morse key should once again see the light of day.

### REGION 13: EAST MIDLANDS

REGIONAL MANAGER: STEVE BODEN, G4XCK, RM13@RSGB.ORG.UK

#### Derby & DARS

**Richard Buckby,**  
radio@dadars.org.uk

- 4 Junk sale
- 11 Committee meeting
- 18 The work of the Royal National Lifeboat Institution by Richard Dobson
- 25 On the air

#### Hucknall Rolls Royce ARC

**Dave Wilde, G1YAI,**  
treasurer@hrrarc.com

- 7, 14, 21, 28 Club meeting followed by members' forum
- 22-23, 29-30 Foundation training weekend

#### Lincoln Short-Wave Club

**Pam Rose, G4STO,**  
01427 788 356,  
pamelagrose@tiscali.co.uk

- 1, 8, 29 Surgery and mentoring

09:00; Intermediate course

- 2 Spalding Rally 10am; Intermediate course
- 4 144MHz UK AC
- 5 Shack activities + natter night, BSA Club
- 6 Repeater net, 145.725MHz, 20:00
- 9 Junction 28 QRP Rally + PW 144MHz Low Power Contest; Intermediate course
- 11 432MHz UK AC
- 12 Sausage & burger night,
- 13, 20, 27 Simplex net, 145.375MHz, 20:00
- 15, 22 Surgery and mentoring, 09:00; Museums on the Air CW at East Kirkby; Intermediate course
- 16, 23 Museums on the Air CW at East Kirkby;

- Intermediate course
- 17 Committee meeting, 19:30
- 18 1.3GHz UK AC
- 19 Formal meeting, BSA Club,
- 25 50MHz UK AC
- 26 Talk on the work of the RAIBC

#### Loughborough & DARC

**Chris, G1ETZ, 01509 504 319**

- 4 Model/ Kite flying - Subject to WX
- 11 Radio Ramble Mick, MOGDW
- 18 'Fish & Chip Supper'
- 25 Practical evening

#### Northampton Radio Club

**John, G4CZB,**  
g4czb@hotmail.com

- 3, 10, 17, 24 2m net, 145.4625MHz
- 6, 20 Club evening, 20:00
- 8-9 100<sup>th</sup> Anniversary BBQ and weekend event at Ravensthorpe, (everyone welcome)

#### South Kesteven Amateur Radio Society Nigel, M0CVO,

**01476 402 550**

12, 26 Informal evening  
**Spalding & DARS Graham Boor G8NWC, 07947 764 481,**  
**www.sdars.org.uk**

- 2 SDARS rally
- 21 DXpedition to ZD9UW, Tristan da Cunha, Rob, MOVFC

#### Welland Valley ARS

**Peter D Rivers, G4XEX,**  
**01858 432 105,**  
g4xex@fsmail.net

- 3 80m Club Championship DATA 19:00-20:30
- 8 Special event station at Market Harborough Carnival
- 10 Club net, 145.275MHz FM (moved from 3<sup>rd</sup> due to 80m contest)
- 15-16 Special event station GBOBON at Rupert's View
- 17 Wi-Fi DX experiment with Kettering Club
- 20 80m Club Championship SSB 19:00-20:30

**Nunsfield House ARG** has been very active the past few months; since Christmas they have run several Foundation and Intermediate courses. The photograph shows the latest Intermediate passes with their invigilators Dave, G8GBU and Tony, G6MWS. The club will be

running further courses later this year.



## Maurice W A Pyle, G2BLA 1921-2012

Maurice became interested in radio in 1935 when his father constructed a radio with 2V valves, accumulator, 120V HT battery and a horned speaker. A Peto Scott commercial receiver with short wave was purchased a couple of years later and this was the first time Maurice heard amateur radio. This spurred on his interest and he also became very proficient at CW. In February 1939 he obtained his AA licence with the callsign 2BLA, held in his mother name with him as her agent, but he was not allowed to transmit over the air.

At the outbreak of war the transmitter parts he had collected were confiscated but he continued to listen on his Howard receiver and he enrolled in the National Wireless Register. In 1939/40 he became a member of the Y service as a voluntary interceptor. He volunteered for the RAF in 1941 and was taken on as a Wireless Operator/Mechanic. After initial training Maurice was employed at RAF Hendon on the maintenance of aircraft radios. In 1943 he was promoted to Flying Officer and was posted to Cheadle and then to Dunstable.

After the war, Maurice restarted his interest in amateur radio as he still had his Howard receiver and got back his equipment. Fortunately there was plenty of surplus radio equipment available so he built a Top Band transmitter and made his first real QSO in 1947. Different surplus receivers were obtained and various transmitters were built during the ensuing years until he purchased his first transceiver, a KW200E, and then a linear

amplifier. This was followed by various other transceivers, the last being an IC 7400 in 2009.

He was always interested in DX and during his lifetime worked over 250 countries using an 80m loop aerial. He also used to enter the BERU contest regularly. Later in life when he was not able to erect large aerials he became a great fan of the 6m band and spent many a happy hour chasing DX on that band.

Maurice was an RSGB member for 70 years and also a member of the Radio Fraternity Lodge since 1967, becoming Master in 1978 and he remained an enthusiastic member of both organisations throughout the remainder of his life.

He will be greatly missed by his daughter and grand children as well as his radio and Masonic friends.

