

CARC DATES

February 24th (Wednesday)

BBC Satellite Broadcasting
Malcolm, G3NZP

March 23rd (Wednesday)

Classic Radios – Keith, G3VKW

April 27th (Wednesday)

Surplus Equipment Sale

CARC meetings are held in our clubroom at
Tilgate Park, Crawley, West Sussex.

Every Wednesday: 8pm
Every Sunday: 11am – 1pm

Formal events are normally held on the last
Wednesday of the month, 7-30pm for 8pm.

*For further information about CARC, please
Contact the Hon Secretary:
Phil, M0TZZ, secretary@carc.org.uk*



Also of Interest/Other Clubs

Horsham ARC (HARC)

<http://www.harc.org.uk>

4th February: Big Bombs, Wing
Commander John Bell MBE DFC

3rd March: Junk Sale

Crystal Palace REC

www.g3oou.co.uk

5th Feb: AGM

4th March: Data Modes, G0TLK

Sutton & Cheam

<http://scrs.org.uk>

11th Feb: TBC

17th March: GB3XP Rptr Project

Mid Sussex ARC

www.msars.org.uk

5th Feb: Radio Night/Table Top
Sale

CATS (Coulston)

www.catsradio.org

8th Feb : Dxpedition to St Kilda
Giles Cooke M0TGV

14th March: RAYNET, G8RWH

Harwell Rally

<http://www.g3pia.org.uk>

Sunday 8th Feb, 10am – 3pm

Didcot Leisure Centre, Mereland
Road, Didcot, OX11 8AY

A belated Happy New Year and welcome to the **February 2016** edition of the News Bulletin.

We start a new CARC year following the recent and well attended AGM, so please don't forget to see Hon Treasurer **Howard, G4PFW**, so that he can relieve you of your yearly subscription!

Also, don't forget the CARC February WSPR challenge, conceived by **Keith, G3VKW**, for which the rules are on page 4. As encouragement, **Phil, M0TZZ**, has recently been testing his setup on 30m, using 220mW and a vertical, to be rewarded with regular reports from ZL2 land...

To check on your progress, log into: <http://wsprnet.org>

Repeater news – In November 2015, an application, (via HARC), was made to re-establish the 70cm repeater **GB3HO**, at a site 5km S.W. of Horsham close to Barns Green. Proposed coverage would approximately be as far as Handcross/Pease Pottage, Midhurst, Guildford and the South Downs. Updated information on the application progress can be found on ukrepeater.net or contact Mick, G4EFO.

The Haywards Heath 70cm repeater, **GB3HY**, following a long spell off the air due to access problems, was recently re-commissioned on channel RU72, O/P 430.900MHz, I/P 438.500MHz, CTCSS 88.5, with an output power of 10w (originally 25w).

If you are a user of our 'local' repeaters, **GB3MH** and **GB7MH**, and would like to contribute to the not inconsiderable running costs, there is a facility to do so on the Ashdown Forest Repeater Group web page here: <http://ashdownforestrg.org>

Updates to the CARC programme:

www.carconline.blogspot.co.uk

or contact John , G3VLH:

john.longhurst@hfcom.net

News Bulletin items contact G4PEO:

john@g4peo.net

Local Repeaters

GB3MH: 145.625MHz/88.5 GB7MH: 439.6375MHz (D-Star)

GB3WS: 145.750MHz/88.5 GB3NX: 430.850MHz/88.5 (I/P 438.450MHz)

GB3NS: 439.675MHz/82.5 GB7NS: 439.1625MHz (DMR) GB7ID: 430.975MHz (DMR)

GB3HY: 430.900MHz/88.5 (I/P 438.500MHz)

President: Derek Atter (G3GRO)

Hon Treasurer: Howard Palmer (G4PFW)

Hon Secretary: Phil Moore (M0TZZ)

Programme Secretary: John Longhurst (G3VLH)

Training Lead Instructor: Malcolm Harman (G3NZP)

Committee Member: Richard Hadfield (G4ANN)

Chairman: Keith Evans (G3VKW)

Vice Chairman: John Pitty (G4PEO)

Exam Secretary: Phil Moore (M0TZZ)

QSL Manager/News Editor: John Pitty (G4PEO)

Committee Member: Alex Sheppard (M1YAP)

Shack Managers: Mike Davies (G0KAD), Rob Barter (M0ZAF)

Calendar Items - February & March

The Birth of BBC Satellite Outside Broadcasting – Malcolm, G3NZP Wednesday 24th February, CARC Hut.

Outside Broadcasting by satellite has now come of age and taken for granted. These days it is an essential tool for everyday programming, including News Bulletins, Sports Events and Special Occasions. But how did it all start? From first hand experience, Malcolm Harman (G3NZP) formerly with BBC Research Dept, will describe the first fully operational Transportable Earth Station for the BBC (UKI-1) and show how it was such a significant advance on the early Telstar experiments in 1962.

Classic Radios – Keith, G3VKW, Wednesday 23rd March.

Nowadays we practically take for granted the amazing functionality offered to us via that relatively small box known as the modern transceiver, but what of the older classic radios, and how did they pave the way to where we are now? For instance, illustrated, the Eddystone S-640, has a claim to fame, but what is it? To find out, don't miss Keith's talk!



Finally, a reminder to start thinking about sorting out your unwanted 'items' in time for the surplus equipment sale to be held on **April 27th**.

Previous Meetings & Events

Fish and Chip Supper

As always, a very popular event that is well subscribed. Thanks as always to Jane and Lorna, (XYL's G3VKW, MOTZZ), for all their hard work in making the evening such a success.



Photos G3VJM

Resolving Antenna Gain Issues – Mike Underhill, G3LHZ

For those that weren't able to make the meeting, we had a very interesting and thought provoking presentation by Mike discussing antenna efficiency and gain measurement, and how this compares to figures derived through simulation.

Many thanks of course to Mike for taking the time to visit CARC.



Photos G4PEO

CARC 2016 AGM

It was good to see a large turnout for the most important function on the CARC calendar! In a departure from the standard officer reports, Club Secretary, **Phil, MOTZZ**, put together a very useful PowerPoint presentation detailing the club activities held during the previous year, plus the results of the club survey.

More AGM details on page 3 / Club News.



Chairmans Report - Keith, G3VKW

Hi All,

February all ready, and by the time you have read this the Annual General Meeting will have been held. The good news is there will be no increase in subscriptions this year, even though the Club made a slight loss in 2015. The bad news is, we do need to increase club membership, to keep the fees as they are. Although we have had new members join the club this last year, we have lost a few long-term members, and I would dearly like to see them re-join.

If you have visited the Club House recently, you will see that the entrance way has been modified and is much more inviting, and practical, although still some work to be completed to finish the job fully. Thanks to Rob, Adrian, Mike and Alex for their hard work, and time!!

We as a club are still fairly poorly attended on Weds evenings. The chicane has been removed, and the road system improved, so please support your club if you can on a Weds evenings.

A reminder too, that the Club WSPR Contest / Challenge is running for the month on Feb, so please support this event, (rules Page 4). Let's see how many entries we can get from club members.

Stewart G3YSX, and myself entered the SSB, and the CW legs of the RSGB AFS contest. We both had limited time, but at least we put CARC on the air.

(Stop Press: AFS results - CARC 53rd from 73 entries. G3VKW 444, G3YSX 189 - excellent result considering the severe lack of time! Ed)

That is all for now.

73 Keith G3VKW Chairman

Club News

AGM

There was a good turnout of 22 members who attended the AGM held on the 27th January.

The Chairman and Committee were re-elected with no change from the previous year, except that **John, G3VLH** wished to stand down as **Vice Chairman** but still continue as the **Programme Secretary**. **John, G4PEO** was subsequently elected to the vacated post. Many thanks to **John, G3VLH**, for his work over the years, and hopefully will now have more time for his other commitments, (plus a little radio...!) **Phil, M0TZZ** presented the results of the club survey, although disappointingly, only about 50% of the membership took part. If you missed the AGM, and would like to see the results of the survey, (via PowerPoint), please contact Phil. Apart from the reports and election of officers, the only other main business of the evening was to add a Diversity and Equality clause, (linked to current legislation), to the club constitution. Further details, if required, again from Phil. (secretary@carc.org.uk)

Training - Malcolm G3NZZ

A brief update on our training programme

I am currently preparing for a series of five Intermediate licence drop-in sessions at the Club on Sunday afternoons, commencing February 7th. This will enable those who work shifts and rosters to attend their practical assessments whenever free. There is room for up to six students at a time, so busily assembling all the bits for testing soldering skills, recognising resistor colour codes, building a simple DC circuit, calibrating a VFO, etc.....

Once all their Record of Achievement forms have been signed off we will start planning an examination date, however the RSGB are now saying this must be within 12 months. Even so plenty of time to fit in a few coaching classes.

In parallel with the Intermediate programme, we are also gearing up to entertain a group of seven Thales employees on Saturday February 27th. They wish to use our registered facilities to undertake their Foundation licence practical's and afterwards sit the exam. This has come about after one of their number attended the Microwave Round Table and was made aware of our training capability. Group study preparation is being undertaken "in house", no doubt during their lunch breaks.

So a busy time for one and all.

Malcolm Harman (G3NZZ)
Lead Instructor

CARC Club WSPR Contest Feb 2016.

Transmitter Categories

A: Club Project WSPR Tx

B: Other WSPR Tx same output power as Club Tx,

C: Higher Power WSPR Tx, (Must Declare the Power !)

Band's

A: 10m 12m 15m 17m 20m 30m 40m 80m

B: Multi Band

Antenna

A: Indoor Antenna; **B:** Simple End fed wire; **C:** Dipole, Cobweb or Vertical; **D:** Beam.

The Contest will run from 00:00 on Feb 1st 2016 until 23:59 on Feb 29th 2016.

The Aim is for you to put on air something you made yourself, (hopefully), and to get a little sporting rivalry between club members.

The various winners, will be judged on how many entities, (Countries), from the ARRL list, (easily obtained off the Net). Your call sign "Reported" being heard on the WSPR Online Log, (<http://wsprnet.org>) during in the month of February, multiplied by the CQ Zones worked, (The CQ Magazine Zone Map and List is also available on the Net). For example, if you are heard in 23 Countries, and 8 CQ Zones, then your score will be 23 multiplied by 8 which will give you a score of 184.

The reason I have added the Multipliers, is in case two stations are reported in the same number of Countries, so I can determine a winner, as, take for instance, the USA has 3 zones.

All entries must be received by 00:00 on 8th of March 2016.

The clubs " WSPR Contest Invigilator" (That's Me) Will announce the various winners during the month of March. I will try to be Fair!!

This is for fun, and should be a light hearted event, that all entrants enjoy. If there is a good take up, then perhaps it may become an annual event.

73 Keith G3VKW Chairman

FOR SALE

FT707 system comprising

FT-707 Transceiver

FV-707DM Digital VFO

FC-707 ATU

FP-707 PSU

FTV-707 144 MHZ transverter

FTV-707 50 MHZ transverter

The top cover of the FT-707 is marked but front panel is clean.

All this is built into a homebrew case see picture.

£400 ONO

If interested speak to Richard G4ANN

