

Est. 1938



G4HRS

**H  
A  
R  
C  
N  
E  
W  
S**



**The Journal of  
Horsham Amateur Radio Club**

September 2011

Sponsored by:



# Contents

## In this issue

3. Social DX
4. A touch of classic
8. Special event
10. Which, way now
11. Last chance
12. Final results
13. Keep guessing
14. Diary of events

Members score

**Cover photo: Gas turbine Rover**

# Editorial

Congratulations to Mark Thompson (formerly 2E0ZMT) who has passed the Advanced exam and now holds the callsign M0ZMT. If you haven't already worked it out as to why the deadline for this edition was earlier than usual I will tell you. By the time you are reading this I will have been on a two week vacation to Oscar Zulu land.

Many regular readers have already noticed my trips to Denmark over the years although I haven't been there for over two years. At the time I write this I have already found a possible radio museum and intend to take my Icom hand held with me. Whilst I am there I hope to be able to check reception of BBC Radio 4 on Long Wave.

In mid July I had my second opportunity to meet a long standing pen friend whom I have known since the 70's who was on holiday in the UK. One question I always get asked is how did we get to know each other? Through the power of broadcast radio.

Back in those days I used to listen regularly to Radio Australia on short wave and so did Jhansi over in South India. Their mailbag programme gave out the details of those wanting to find pen friends, I then wrote a letter to her, and for many years we exchanged letters which eventually changed to email and phone calls.

Temporarily I have been off the air yet again and this was due to my coax and power to the auto ATU having come adrift. All was originally housed in a rabbit hutch but has recently been changed to a plastic garden tool box bought from Argos. The connections were remade and since then I am back on the air.

David G4JHI

# The Heritage Motor Museum, Gaydon

by

Alister G3ZBU

I must apologise to the reader for two car-related articles so close together. I went to the ABD's AGM (Association of British Drivers), and it was nice not to be on the committee for a change! Delegates were able to visit the museum for free thus saving an £11 entrance fee. This museum is an amalgamation of mainly British cars built since about the 1930's.

There used to be hundreds of companies building cars in Britain once upon a time, but most have closed, or diversified into aircraft or even fridges! A very nice-looking 4 1/2 litre supercharged Bentley can be inspected at close quarters;



Mini Hatchback prototype

in fact one can get right up to almost all the cars except the ones on a banked track.

The information display has a good story: W.O.Bentley thought that 'to beat the opposition, one needs a big engine'. Three modern Aston Martins are near the entrance. One has two bonnet-mounted machine guns. Very handy! There are some exhibits that do not exist elsewhere; many vehicles are the very last ones from production lines but there are also concept cars and prototypes.

The latter are most interesting because few people have seen them, well I certainly haven't! Have you heard of a Mini hatchback, for example? There are also two Rover gas-turbine cars. Unlike the old Rover in the Science Museum, these two have specially-designed bodies. The newest one is a cross between the Rover 2000 and the Rover SD1.



FAB 1's dashboard

It has a very futuristic set of instruments: the speedometer etc are housed in tubes so the dashboard is very thin, however the high-tech style is completely let down by a large edgewise Gallenkampf temperature gauge, as seen in school science labs. Yet another unique car is FAB 1, which, as many of you will know, was owned by the fictitious Lady Penelope from Thunderbirds.



Banked track



Latest Gas turbine Rover

The central driver's position has been copied by the McLaren sports car! I'm not sure when FAB 1 was built, but it does have many modern-looking features but is not the original design as it doesn't have a RR grille.



Mark Webber's Jaguar F1 car



Bentley's dashboard

## Gatwick Radio Weekend

The Gatwick Radio Weekend takes place on the 10/11th September at HARC member Leslie Thacker's QTH and the Vintage Operating Group (VOG) invite you join them on site or on the air.

Venue:

Hunters Moon

Reigate Road

Hookwood

Surrey RH6 0HU

There will be working vintage radio, probably mostly ex military, and a variety of ex military vehicles on show for the enthusiast - It's not a general public event, so come and BRING YOUR RADIO to show others. Lots of space to try out your own antenna configurations or even camp over the weekend.

BBQ Saturday evening.

(Signed from A217, just north of Gatwick)

or if you cannot then come in "ON AIR"

Special M0VOG QSL cards available.

1. 51.700MHz (FM 25kHz channel)
2. 70.375MHz (FM 25kHz channel)
3. VMARS SSB net, starting at 091930A Sept (local) on 3.615MHz LSB
4. AM net, starting at 100830A Sept on 3.615MHz
5. CW net at 110900A Sept on 3.577MHz. or try 7.143MHz

For licensees with the 5MHz NoV, we encourage SSB activity throughout the weekend on 5.4035MHz USB. Please keep a record of such contacts and be prepared to use \*SINPO\* reporting.

We may also use the RSARS frequencies of 14.125, 14,143\*, 14.275, 7.070#, 7.180, 7,170# 3.743#, 1.952 (all SSB)

\* Saturday VK/ZL net at 0600Z

# Saturday chat net 11.00 to 12.00

To help with catering, please tell us you are coming:

Les the owner: [valearabians@sky.com](mailto:valearabians@sky.com)

01293 773997 - 07968007023

Andy the Radio man: [G8JAC@btinternet.com](mailto:G8JAC@btinternet.com)

020 8651 2727 - 07752 900 157

Mike the admin man: [m1ccf@talktalk.net](mailto:m1ccf@talktalk.net)

020 8654 2582 - 07984 931 360

# HARC July Fox Hunt

The HARC summer Fox Hunt on Thursday 28th July attracted six teams; five from HARC and one visiting team from the Mid-Sussex Amateur Radio Society. It was warm and sunny and a joy to be out on this summer's evening. The fox, Mike (G8CKT) aided and abetted by Yvonne (G6CKT), was located on the cricket field at Ebernoe, between Northchapel and Balls Cross.

The fox and his vixen were surprised to be joined by the remains of a travelling fair and a dog display team - the site having been completely deserted during two earlier visits! Happily, all five of the HARC teams managed to locate the fox within 90 minutes but the visiting team from MSARS had to abandon the search and joined us later at the Foresters Arms in Kirdford, a charming 17th century village pub with wooden-beams, stone and brick floors and inglenook fireplaces.

The winning team was John (G3WZT) and Jan. Aided by some very accurate bearings, they managed to locate the fox in a mere 37 minutes. Adrian (G4LRP) arrived a little later, very closely followed by Steve (G4TPO) and Maria, in a time of 65 minutes.

The finishing times were as follows:

| <i>Position</i> | <i>Call</i>     | <i>Team members</i> | <i>Time at the fox</i> |
|-----------------|-----------------|---------------------|------------------------|
| 1               | G3WZT           | John and Jan        | 19:37:04               |
| 2               | G4LRP           | Adrian              | 20:05:18               |
| 3               | G4TPO           | Steve and Maria     | 20:05:50               |
| 4               | G3OGP           | Robin               | 20:12:20               |
| 5               | G4TMC           | Paul                | 20:17:12               |
| -               | G7VBR and G0BUX | Roger and Bob       | -                      |

Congratulations to all who took part – see you next time!

Mike (G8CKT)

# The Gadget Show Live 2012

A reminder of next April's exhibition and it is time to register your interest. Please contact myself advising that you would like to be added to the list. This outing is open to HARC club members, other amateur radio clubs, their partners, family and friends.

Show Dates                      11-15 April 2012

Exhibition will not only include many gadgets in probably 3 large halls but The Gadget Show team presenting a live extravaganza.

It is proposed that the outing would be for one day either on Friday, Saturday or Sunday but could possibly be extended to include an attraction on route and overnight stay.

Closing date from interested parties 20th September 2011. After then if there are a sufficient number on the list a full itinerary will be established and discussed with the committee as appropriate.

David G4JHI

Copy deadline for October edition 23rd September

For items sent by email please send to this address:

[harc.news@g4jhi.co.uk](mailto:harc.news@g4jhi.co.uk)

# RSGB Club Championship 2011

## HARC Results Summary

### by Bryn G3SWC

July saw the final entries for the 7 months of the RSGB Club Championship 80m contest series. Each month consisted of three separate 90 minute evening contests, one each SSB, data and CW.

In addition to the monthly summary sheet at the end of each newsletter, here follows a few more notable statistics. (Last year's in brackets) –

- HARC's initial position Jan was 7<sup>th</sup>, we then went up to 3rd position Feb and then fell back to **6<sup>th</sup> position** Mar which we maintained until the end of the contest. It is worth noting that as little as 435 more points would have seen us in 5<sup>th</sup> position!
- This year 91 (93) clubs participated.
- The Bristol Contest Group was the overall winner with no less than 147869 (146081) points!
- The **HARC total score was 84934** (88894) – 3960 down on 2010.
- Our points distribution – SSB 29442 35% (34656 39%), Data 33585 40% (29473 33%), CW 21927 26% (24765 28%).
- Data was the highest scoring mode (SSB in 2010)
- Highest scoring month was April with 14345 points (14733 May 2010).
- Total number of HARC participants in 2011 was 17 (20 in 2010).
- G3ZBU & G8HQJ participated in all of the 21 contests.
- The 6 highest individual contributions this year -
 

|         |       |               |
|---------|-------|---------------|
| Bryn    | G3SWC | 13311 (12939) |
| Alister | G3ZBU | 12466 (11428) |
| Barry   | G8HQJ | 9104 (4993)   |
| Robin   | G3OGP | 9036 (9389)   |
| Tony    | G3NPF | 8335 (8879)   |
| Mike    | G8CKT | 7992 (6043)   |
- Highest points awarded in any one contest –
 

|      |       |                 |
|------|-------|-----------------|
| SSB  | G3SWC | 1000 max points |
| CW   | G3LET | 951             |
| Data | G3ZBU | 955             |
- Mode leaders based on highest points awarded –
 

|      |       |             |
|------|-------|-------------|
| SSB  | G3NPF | 4473 (4508) |
| CW   | G3SWC | 5202 (4861) |
| Data | G3ZBU | 4971 (4605) |
- New participants in 2011 –
 

|       |       |
|-------|-------|
| G0IDA | G4JHI |
|-------|-------|

For the complete statistics, please see the separate spreadsheet in this HARC Newsletter.

Data has been our strongest mode taking over from SSB last year. CW still remains our weakest contribution.

The series of contests are great fun and I very much hope they will receive even stronger support in 2012. Well done to all those that participated this year.

Hope to see you again in 2012 with perhaps a few more entrants? Remember; every entry is important to HARC even if you can only manage a few contacts for whatever reason.

Rev A 17.08.11

# Mystery Object



What is it?

Second clue: The mystery thing pictured last month (and above) is known as a casemate but what was that one used for? There were many like it, all over the world in WW2. The underlying technology was developed and used in WW1. My father was a specialist in this field but could never tell me anything about it.

## **HARC Junk Sale**

October 6th

Guide Hall, Denne Road, Horsham

Doors Open 7.30pm

Auction Start 8pm

Refreshments available

# Diary

Sep 1st, Club Night: Tony Crake - RF Transmitters and Other Experiences

Sep 3rd - 4th, SSB Field Day

Sep 15th, Social Evening - The Dun Horse - Mannings Heath

Sep 18th, Belgium Amateur Radio & Computer Rally  
\*09:00 - [www.on6ll.be](http://www.on6ll.be)

Sep 23rd - 25th, HARC Weekend Away - North Devon  
(Fully booked)

Oct 6th, Club Night: Junk Sale

Oct 13th, Committee Meeting

All above times are BST except \* which is CET

Committee/Club Meetings and Socials start at 8pm

Club Champs 2011 - Horsham Club Scores

| PARTICIPANTS                | JANUARY |      |       | FEBRUARY |      |      | MARCH |      |       | APRIL |      |       | MAY  |      |       | JUNE |      |       | JULY |      |       | TOTAL POINTS   | %    | MODE TOTALS  |              |              |  |
|-----------------------------|---------|------|-------|----------|------|------|-------|------|-------|-------|------|-------|------|------|-------|------|------|-------|------|------|-------|--|------|--------------|--------------|--------------|--|
|                             | SSB     | Data | CW    | SSB      | Data | CW   | SSB   | Data | CW    | SSB   | Data | CW    | SSB  | Data | CW    | SSB  | Data | CW    | SSB  | Data | CW    |  |      | SSB          | DATA         | CW           |  |
| G3LET Pete                  |         |      |       |          |      | 407  |       |      |       |       |      | 951   |      |      |       |      |      |       | 635  | 529  | 897   | 3419   | 4.0  | 635          | 936          | 1848         |  |
| G3NPF Tony                  | 780     | 482  |       | 423      | 275  |      | 860   | 664  |       | 606   | 581  |       | 513  | 637  |       | 631  | 590  |       | 660  | 633  |       | 8335   | 9.8  | 4473         | 3862         | 0            |  |
| G3OGP Robin                 | 203     | 702  | 655   | 650      | 456  | 604  | 358   | 689  | 674   |       | 683  | 656   | 397  |      |       |      | 746  | 639   | 235  |      | 689   | 9036   | 10.6 | 1843         | 3276         | 3917         |  |
| G3PYC Ron                   |         |      |       | 99       |      |      | 146   |      |       | 236   |      |       | 191  |      |       |      |      |       | 204  |      |       | 876  | 1.0  | 876          | 0            | 0            |  |
| G3SWC Bryn                  | 1000    | 955  | 810   | 600      | 565  | 690  | 577   | 656  | 718   | 608   |      | 787   | 503  | 773  | 715   |      | 579  | 696   | 644  | 649  | 786   | 13311  | 15.7 | 3932         | 4177         | 5202         |  |
| G3VQO Les                   |         |      |       |          |      |      |       |      |       |       | 475  | 476   |      | 709  | 631   | 320  | 593  | 731   | 340  | 357  |       | 4632   | 5.5  | 660          | 2134         | 1838         |  |
| G3WZT John                  |         |      |       |          |      |      |       |      |       |       |      | 550   |      |      |       |      |      |       |      |      |       | 550  | 0.6  | 0            | 0            | 550          |  |
| G3ZBU Alister               | 682     | 899  | 477   | 550      | 571  | 500  | 417   | 738  | 493   | 679   | 806  | 566   | 572  | 649  | 522   | 525  | 901  | 547   | 609  | 407  | 356   | 12466  | 14.7 | 4034         | 4971         | 3461         |  |
| G4LRP Adrian                |         | 569  |       | 550      | 559  |      | 373   | 362  |       | 536   | 302  |       | 469  |      |       |      | 452  |       | 514  | 460  |       | 5146   | 6.1  | 2442         | 2704         | 0            |  |
| G4JHI David                 |         |      |       |          |      |      |       |      |       | 260   |      |       | 262  |      |       | 355  |      |       |      |      |       | 877  | 1.0  | 877          | 0            | 0            |  |
| G4TPO Steve                 | 0       | 529  |       | 450      |      |      | 548   | 493  | 87    | 742   | 345  | 91    | 345  | 329  |       | 509  | 660  |       | 505  | 729  |       | 6362   | 7.5  | 3099         | 3085         | 178          |  |
| G7DFV Gavin                 |         |      |       |          |      |      | 110   |      |       |       |      |       |      |      |       |      |      |       |      |      |       | 110  | 0.1  | 110          | 0            | 0            |  |
| G8CKT & F8VON Mike          | 406     | 670  | 191   | 450      | 370  | 52   | 329   | 559  | 211   | 411   | 558  | 164   | 358  | 662  | 379   |      | 707  | 270   | 409  | 465  | 371   | 7992   | 9.4  | 2363         | 3991         | 1638         |  |
| G8HQJ Barry                 | 485     | 552  | 108   | 296      | 440  | 164  | 345   | 443  | 160   | 465   | 703  | 214   | 528  | 733  | 160   | 610  | 779  | 235   | 640  | 799  | 245   | 9104   | 10.7 | 3369         | 4449         | 1286         |  |
| M0GJH Andrew                | 580     |      | 346   |          |      |      |       |      | 319   |       |      | 394   |      |      |       |      |      |       |      |      |       | 1639   | 1.9  | 580          | 0            | 1059         |  |
| G0IDA Berni                 |         |      |       |          |      |      |       |      | 450   |       |      | 500   |      |      |       |      |      |       |      |      |       | 950  | 1.1  | 0            | 0            | 950          |  |
| 2E0BTO Alan                 | 129     |      |       |          |      |      |       |      |       |       |      |       |      |      |       |      |      |       |      |      |       | 129  | 0.2  | 129          | 0            | 0            |  |
| <b>Mode totals</b>          | 4265    | 5358 | 2587  | 4068     | 3643 | 2010 | 4063  | 4604 | 3112  | 4543  | 4453 | 5349  | 4138 | 4492 | 2407  | 2950 | 6007 | 3118  | 5395 | 5028 | 3344  | <b>84934</b>   |      | <b>29422</b> | <b>33585</b> | <b>21927</b> |  |
| <b>Month totals to date</b> |         |      | 12210 |          |      | 9721 |       |      | 11779 |       |      | 14345 |      |      | 11037 |      |      | 12075 |      |      | 13767 |  |      | 35%          | 40%          | 26%          |  |
| <b>Contest dates/times</b>  | 12th    | 20th | 3rd   | 7th      | 16th | 24th | 24th  | 7th  | 16th  | 13th  | 21st | 4th   | 2nd  | 11th | 19th  | 23rd | 6th  | 15th  | 13th | 21st | 4th   | Start times are all 2000 clock time, ending 2130 local |      |              |              |              |  |

|   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |   |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|
| HARC overall position after above results announced | 6/71 | 4/75 | 7/53 | 3/78 | 5/83 | 6/82 | 6/86 | 5/85 | 6/86 | 6/88 | 6/88 | 6/86 | 6/88 | 6/88 | 6/88 | 6/89 | 6/89 | 6/89 | 6/91 | 6/91 | 6/91 | ← | <b>HARC POSITION</b><br>NO CHANGE since last report |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|

All entries to be uploaded with the Contest Robot at:- [www.rsgbcc.org/cgi-bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl) Latest robot entries may be viewed at:- [www.rsgbcc.org/cgi-bin/hfposted.pl](http://www.rsgbcc.org/cgi-bin/hfposted.pl)

Contest results may be viewed at:- [www.rsgbcc.org/hf/results/2011/80mcc2011.shtml](http://www.rsgbcc.org/hf/results/2011/80mcc2011.shtml) Contest rules may be viewed at:- [www.rsgbcc.org/hf/rules/2011/r80mcc.shtml](http://www.rsgbcc.org/hf/rules/2011/r80mcc.shtml)

|  |  |              |              |              |              |
|--|--|--------------|--------------|--------------|--------------|
| <p>THIS IS IT - THE FINAL RESULTS FOR 2011!</p> <p>HARC MANAGED 6TH POSITION. BUT FOR ANOTHER 435 POINTS WE WOULD HAVE BEEN 5TH - ONE MORE STATION WITH A SINGLE ENTRY WOULD HAVE DONE IT!</p> <p>SO ENDS ANOTHER FUN SERIES OF CONTESTS, AND NOW FOR A WELL EARNED BREAK.</p> <p>CONGRATULATIONS TO HIGH SCORER BARRY/G8HQJ FOR GAINING 799 POINTS IN JULY DATA. WELL DONE!</p> <p>LOOK OUT FOR THE SUMMARY REPORT IN "HARC NEWS".</p> <p>WELL DONE EVERYONE, HOPE TO SEE YOU NEXT YEAR?</p> <p>73<br/>BRYN - SWC</p> | <p>THE TOP TWELVE CLUBS - out of approx 91 participating<br/>(data courtesy of RSGB website)</p> |              |              |              |              |
|  | Pos  | Club Name    | Total        | CW           | SSB          |
| 1  | Bristol CG   | 147869       | 50227        | 53695        | 43947        |
| 2  | Norfolk ARC  | 120557       | 39393        | 35402        | 45762        |
| 3  | De Montfort University   | 119697       | 38934        | 38123        | 42640        |
| 4  | Newbury & DARS   | 99747        | 37402        | 30342        | 32003        |
| 5  | Three As CG  | 85368        | 44167        | 24869        | 16332        |
| 6  | <b>Horsham ARC</b>   | <b>84934</b> | <b>21927</b> | <b>29422</b> | <b>33585</b> |
| 7  | Grimsby ARS  | 82514        | 30360        | 22278        | 29876        |
| 8  | Cheltenham ARA   | 58826        | 25441        | 17321        | 16064        |
| 9  | Brimham CG   | 56768        | 21001        | 16001        | 19766        |
| 10   | Tall Trees CG  | 55749        | 26239        | 15195        | 14315        |
| 11   | Travelling Wave CG   | 54366        | 15823        | 17366        | 21177        |
| 12   | RAF Waddington ARC   | 42567        | 16108        | 13837        | 12622        |