

HORSHAM AMATEUR RADIO CLUB

HARCNEWS

Coming Shortly

Feb 3rd 1950's Gee station by Brian Kendell G3GDU

Feb 17th Social Evening The Blue Ship at The Haven

Mar 3rd Club Evening Junk Sale

February 2005

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Foxhunt

The Foxhunt on the 5th December started from G3OGP's (MY) QTH at 10.30 with only 3 entries.

The signals were reported as being very strong from the start due to the location of the fox being at an elevated point in a car park on Leith Hill.

The first to arrive was John G3WZT and Jan who walked around the car park waving John's big one (4 element yagi) and came within 6 feet of the fox when a bemused walker enquired what he was doing. John patiently explained and then walked away by which time the transmission had stopped.

He was heard to mutter "he is definitely in this car park somewhere" as both of them then did another search and Jan found the fox by diligently peering in each car. The fox had cunningly placed the

small black quarter wave antenna on the corner of the bonnet so as not to be too noticeable.

A minute later Adrian G4LRP arrived in the car park and saw the assembled trio. Next was Andrew M0GJH and Janet who achieved a very creditable third, being only their 2nd attempt at direction finding.

Results as follows:-

G3WZT and Jan	11.14
G4LRP	11.15
M0GJH and Janet	11.47

We then retired to the Abinger Hatch for a very acceptable couple of Jars when who should turn up as the beers were flowing? Yes you've guessed, G4EFO. Some of the assembly enjoyed a delicious Sunday lunch with G4LRP coming first by a Large (Roast Potato) margin in the food consumption race!

Intermediate Course

Feb/Mar 2005

Monday and Tuesday evenings from 7pm to 9:30pm, with the exam on Wednesday 16th March.

Meeting point is in the Collyer's car park, Hurst Road, Horsham at 6:55pm each evening. The college is opposite Horsham Hospital and Fire Brigade.

Collyer's college is now certified by the RSGB as an exam centre; Centre Identification is WS234.

Attending all sessions is not necessary (except for the last!). However all the practical work must be signed off.

The course totals 20 hours. All the course material is available on the Internet:

1. Intermediate Amateur Radio Syllabus.
2. Intermediate Licence Guidance Notes.

Alternatively, Chelmsford has some lecture material in powerpoint.

Schedule:-

Monday 21st Feb
Introduction: M0DEY
Safety: G3ZBU
Practicals: G4FQR

Tuesday 22nd Feb
Practicals: G4FQR

Monday 28th Feb
Licence: G4LRP
Propagation: G4LRP

Tuesday 1st Mar
Technical Basics: M0GJH

Monday 7th Mar
Feeders/aerials: G4LRP

Tuesday 8th Mar
Operating: M0DEY

Monday 14th Mar
EMC: G4FQR

Tuesday 15th Mar

TX/RX: G3ZBU

Adjudicators: G7EYL,
G3OGP (Assistant)

Wednesday 15th Mar

Test paper

Revision

Exam starts at 8:00pm and
lasts 1 hour 15 mins

Cost is £25 per person. Please
let Alister G3ZBU have your
details viz. name, address,
date of birth, on or before the
Feb Radio Club Evening.

HARC Outings

We have been offered an open evening visit to Martin Lynch's emporium. Martin will open the shop, provide refreshments and give us all a chance to have an exclusive play with all the toys.

All HARC have to do is provide approximate numbers and we can then arrange a date. All you have to do then is get there, this can be arranged as we have done a few years ago by car.

So if you want to go to the ML&S evening, please contact me (Adrian G4LRP) at the next Club meeting and I'll organise a date with

Martin, and find out who has a spare seat in their car. PS I suspect we will also find a suitable watering hole on the way home...

Also a few HARC members are thinking of a day trip to France / Belgium in the later half of April to visit some WWI battle site's 'Ypres', 'Passchendaele' and if we have time, a look at Dunkirk.

And yes, for ZBU, some time to stock up on the booze on the way home. Again if you would like to come along speak to me. More details next month. 73's de G4LRP.

January Club Meeting: Computer Networks by Gavin G7DFV

This was an excellent talk about the ins and outs of connecting computer networks together. Gavin has to connect up computers dotted around the world, mainly in skiing resorts, but also in Chichester and Partridge Green, where his home computer is.

He can remotely access any computer to perform remote diagnostics which could save having to fly out, stay in hotels, and suffer living on expenses!

Normally we do not have to think about sub-net masks and IP addresses because our home network talks via a modem of some description (voice-band or ADSL) to a single point at the exchange. Software and hardware takes your message address, for example HARC.ORG.UK, and converts into a set of funny numbers which are unique. Because the original design of the network only

allowed a paltry 1000 million or so addresses, a further conversion has to take place to increase the address size.

The network at the far end will get the data packet and de-convert the incoming address number to find the target computer. Normally this is via a fire-wall to prevent unwanted guests hacking into the system. Several networks can be protected against a malfunction by routing different paths. All this is incredibly complicated and many of us were almost in need of cold ice-packs on our heads!

Gavin then gave a real-time on-line demonstration. He connected his lap-top to the phone line via a 56k modem and proceeded to log onto the work's network. If I remember correctly, we hijacked a process on this fast machine and logged into Partridge

Green, were we saw his packet modem running and had remote control of it. Then we attempted to check the delay around his network, and some USA companies, by 'pinging'.

The first experiments failed due to the fire-wall returning our 'unwanted' packets, but Gavin remotely switched them off. Generally, a ping to the US and back was 200ms. Local pings only took, maybe 10ms.

Some questions were asked about networks, hubs and

switches for home use. Generally the cheap broadband networks do not want the hassle of helping customers set up multi-pc networking so they specify single pc operation, often via a USB ADSL modem.

However with a bit of fiddling, there is probably no reason why other pcs cannot be ethernetnetted together. Gavin recommends buying an Ethernet ADSL modem as a better choice.

Many thanks for enlightening

Contest

7th Feb– SSB;

16th Feb– Data;

24th Feb- CW.

Frequencies:

CW 3.520-3.570 (QRS Corral 3.550-3.570);

SSB 3.600-3.650 & 3.700-3775;

Datamodes 3.580-3.600

Time: 20.00-21.30 UTC

So far none of the results have been published so hold on!

73 de M0DEY

Subs are now due so please get them to Paul G4TMC ASAP