



Chelmsford Amateur Radio Society Newsletter

February Meeting
Tue 4-Feb-2025, 7:30pm
Danbury Village Hall

Radar Anniversary
By Andy Tyler G1GKN

February 26th marks the 90th anniversary of the Daventry Experiment in 1935, which quickly led to the Birth of British Radar and many related innovations.

The 360ft tower at Great Baddow (originally at Canewdon) was an early result of this work, as it formed part of the Chain Home radar system for the Battle of Britain.



RF Expert **Andy G1GKN** will recount the simple and elegant field trial in 1935 by Robert Watson Watt and his colleagues that was then developed at an amazing pace to become a wide range of radars and their applications.

Air traffic control, cruise control in many cars and the microwave oven in your kitchen all owe their origins to this innovative work.

As usual tea, coffee and biscuits will be available together with the free raffle!



Training / Exam Technique – Enquire re Thursday evenings in 2025

CAR PARKING – take care to register your car in Danbury

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Club Diary

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| Tue 4-Feb-2025 | CARS Meeting – Radar Anniversary talk | Danbury Village Hall |
| Thu Feb-6, 13, 20 | CARS Training | Danbury Village Hall |
| Wed 26-Feb-2025 | The 90 th Anniversary of the Daventry Experiment | On Air |
| Tue 4-Mar-2025 | CARS Meeting - tbc | Danbury Village Hall |

Club Nets

CARS meets for talks/events on the first Tuesday of the month. The subsequent Tuesdays have club radio nets as follows below and dates listed on our calendar at www.g0mwt.org.uk/main/events/categories/net/ :-

- **2nd Tuesday in the Month – VHF**

The CARS VHF FM Net uses GB3DA from Danbury starting at 8pm (local).

GB3DA is 145.125MHz Input and 145.725MHz Output - and CTCSS-only (110.9Hz), 2min timeout

If for any reason GB3DA is not available then 145.375 Simplex will be used. Vertical aerials are best for this

- **3rd Tuesday in the Month - UHF**

The CARS UHF FM Net uses GB3ER from Danbury and starting at 8pm (local).

GB3ER is 434.675MHz Input and 433.075MHz Output - and is CTCSS-only

Vertical aerials are best.

- **4th Tuesday in the Month - HF**

The CARS 80m Net on "3756kHz" Night, SSB and starting at 8pm (local).

Horizontal aerials are best. The idea is to enable distant CARS Members to join the Net.

- **5th Tuesday in the Month (when there is one!) - MF**

This is the CARS Top Band Net on 1947/1950 kHz +/-QRM, LSB and starting at 8pm (local).

Horizontal aerials are usually used for this Net. A reminder - limit your power to a max of 30 Watts, please.

Training & Morse Classes

If you are interested in either training/revision or exams, please contact **John O'Connell M0JOC** our training coordinator and Exam Secretary. Please also spread the word to potential candidates. John can be contacted via training2025@g0mwt.org.uk or 07868-004380

More info and other updates are at: www.g0mwt.org.uk/training - and the updated RSGB Course Finder

Online Morse Classes: Thursday evenings at 7pm. Coordinated by Andy G0IBN who has on-air practice sessions and via Skype too... <https://join.skype.com/clsfKXXKmINvf>

- "Beginners" classes are available,
- Other courses available are an "Improvers" class, 10 to 15wpm:
- "Morse Development Group" 15wpm+ : "Advanced" class for the techniques of "Head copying"

- contact Andy via morse2025@g0mwt.org.uk

 Follow @TrainWithCARS

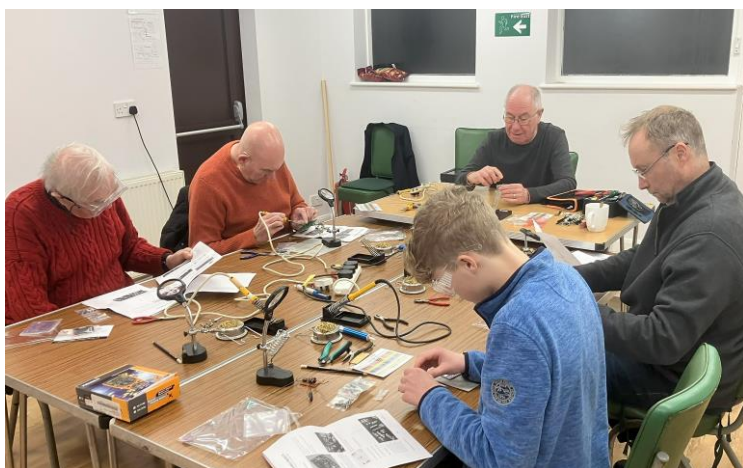
January Meeting: Practical Evening

On Tuesday January 7th at Danbury Village Hall, CARS held a practical skills evening that featured construction and HF radio operating

This was the second radio kit building occasion and was a popular and enjoyable session. The kits were a variety of synthesised FM receivers which worked really well.

This is the sort of activity that used to be undertaken on the former Intermediate training course. Whilst that syllabus no longer requires hands-on practical work, some recent trainees found it valuable. Whilst we do have a few more of the kits, we are looking at what other designs are available for a future session

Overall as we ran on a little while, the quiz that had been prepared by John M0JOC was held over for another time, though Andy G0IBN ran another great raffle.



Keen Constructors in the Hawkins room



One of the FM Receiver kits



HF Operating



Raffle Prizes!

CARS Online Morse Classes

Andy Kersey G0IBN continues to offer CW training online and on air for all levels of ability.

This is on Thursday evenings, around 19:30 - skype classes for the beginner can be arranged.

Morse code has the great advantage over other modes that it can convey a message across the world with little power and at little cost. Morse code messages can get through heavy interference - unlike voice which can become unintelligible.

If you are interested in learning CW please contact Andy, G0IBN, via: morse2025@g0mwt.org.uk

CARS Exam Technique Courses in 2025

CARS is now taking bookings for 2025 training courses at Danbury which we hold on Thursday evenings. Contact: John M0JOC via training2025@g0mwt.org.uk or M: 07868-004380

Foundation:

A 3wk "Exam Technique and How to Pass" course is on **Thu Feb-6, 13 & 20** aimed at Foundation level.

The course is aimed at candidates who wish to undertake revision and final exam preparation, face-to-face with our very experienced trainers at Danbury Village Hall. Sessions include typical exam questions and in-depth explanations of the answers. Course fee is £15 to cover the Danbury Village Hall room hire.

We can also assist on specific areas of the syllabus where greater understanding may be needed, as well tips and advice on best exam practice

Intermediate and Full:

Likewise we also offer a three week course focussing on exam techniques, revision and exam preparation. This course is ideal for candidates who have undertaken self-study and who wish to consolidate their knowledge with face-to-face training. Planned for March (tbc) the fee for this course is also £15.

Danbury Car Parking – Take Care!!!

If you are using the Danbury Leisure Centre car park opposite the village hall , then please be aware that it is now a managed zone. In the evening you need to register your car number plate if you need to sat longer than two hours (or risk a fine)

Fortunately the village hall has a tablet device where you can do this, rather than struggling in the dark

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