



Chelmsford Amateur Radio Society Newsletter

March Meeting

Tue 7-March-2023, 7:30pm
Danbury Village Hall

Practical / Social Night

By CARs Members

Want an opportunity for some practical experience, got questions or want try something different - or just meet up and socialise. Our new series of occasional Practical/Skills meetings, based on RSGB Brickworks theme/activities will give you an opportunity!

CARS is a registered Brickworks club, so if you are participating we can also assist on official certificate/awards.

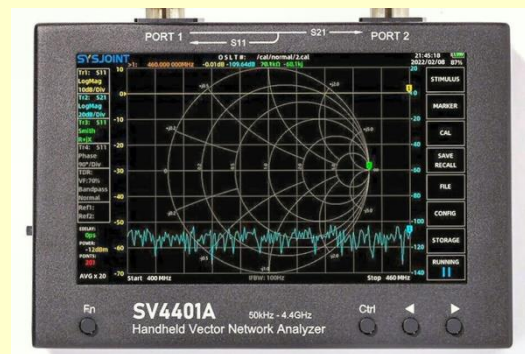
This Tuesday:-

- Station setups
- Modern Amateur Test Equipment
- Antenna Tuning - get hands on - and see how fast you can do it?
- Quiz - by Murray G6JYB
- Refreshments & Raffle

We have also started an antenna refurbishment for future on air nights too

All welcome – free raffle and refreshments. Donations to Essex Air Ambulance

NB: Physical meeting – no Zoom



Volunteers: We still need a Secretary and other roles filled, so please do chat to us and see how you can contribute – whether its special event operating, a talk, training, or some other special interest

Note – all Danbury meetings are back to normal 7:30pm start times

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Club Diary

Tue 7-Mar-2023	Club Meeting: Practical/Skills/Social Night - (Brickworks)	Danbury Village Hall
Tue 4-Apr-2023	Club Meeting: Construction Competition – with Cash Prizes!	Danbury Village Hall
Sat 22-Apr-2023	IMD – International Marconi Day	BAE Great Baddow

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**2023 CARS Training classes at Danbury:**

- **Intermediate/Full Fast Track - set for Thursday 16, 23 & 30th March – Sign up now!**
- **Foundation 43 - date tbc – Enquiries welcome**

If you are interested in these or other opportunities in 2023, please contact **John O'Connell M0JOC** our training coordinator and Exam Secretary. Please also spread the word to potential candidates!

We can also accommodate fast-track courses at Danbury to assist with the Intermediate, Full and the new Direct-to-Full (D2F) exams that start in January-2023

John can be contacted via training2023@g0mwt.org.uk or 07868-004380

More info and other updates are at: www.g0mwt.org.uk/training

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/clsfKXKmlNvf>

- contact Andy via morse2023@g0mwt.org.uk - or feel free to enquire about the Essex CW Boot Camp

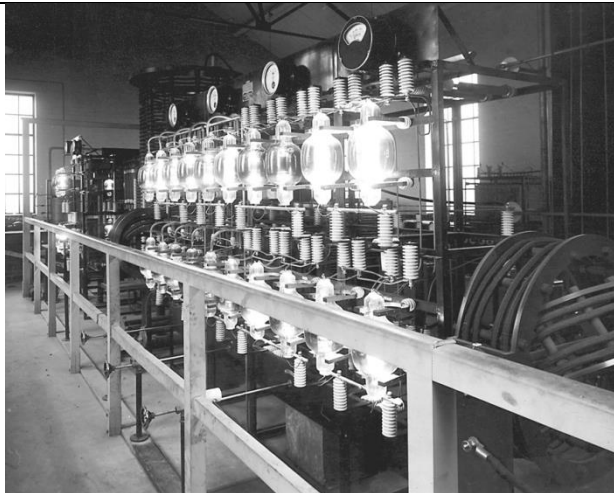
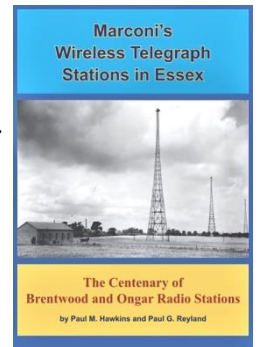
 Follow @TrainWithCARS

February Meeting: Marconi Stations in Essex

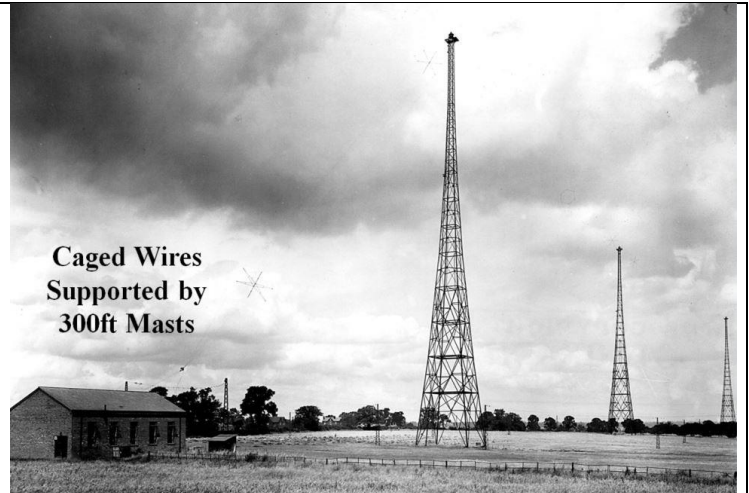
For February, local author, amateur and former telecomms engineer Paul Reyland GOPGR gave a fascinating and extensively illustrated talk about Marconi Wireless Telegraph Stations in Essex - notably the Ongar and Brentwood Stations.

Following earlier experiments from Poldhu, Clifden (Ireland) and Caernarvon, both Ongar and Brentwood were established in the early 1920s near Chelmsford to provide international wireless communications.

They played a key role in European and Global HF communications. Pauls slides showed the extent of the antennas and transmitter halls, the latter getting regular upgrades over the years.



1922 Ongar 15kW Transmitter – Open Valves

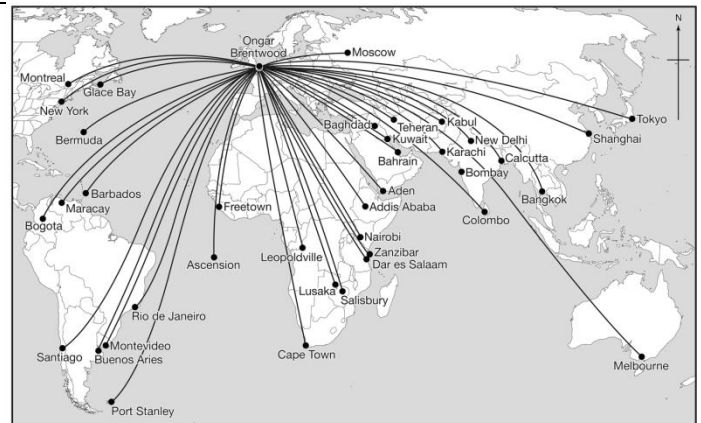


Caged Wires Supported by 300ft Masts

Ongar – Long Wave Antenna



Ongar Tx in 1970 - Synthesized , auto tuning etc



The Worldwide Connections of Brentwood and Ongar Radio Stations Throughout Time.

Services extended across Europe and Worldwide

They continued until Brentwood closed in 1965 and Ongar in 1987. A huge thank you to Paul for a great insight. Paul had some copies of his book with him, which is also available on Amazon for ~£9.

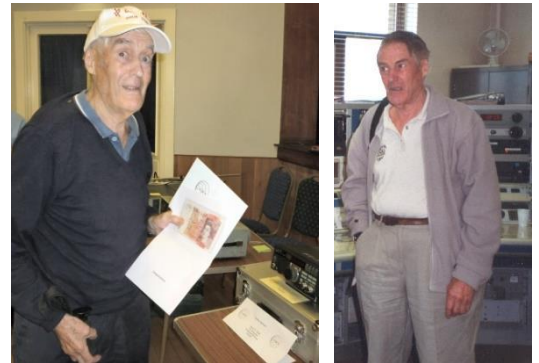
Silent Key: David Bolwell ex-G3JCM

David was first licensed in 1952. He was part of the 1959 NFD team. He built an 'Elizabethan' transmitter designed by Louis Varney which is now in Chelmsford Museum. His licence lapsed and was re-issued in 2013 when he became a regular at CARS meetings.

He did his National Service in the RAF and later joined Marconi. When he retired he moved to Danbury, and served on Danbury Parish Council for several years.

Photos: Dave at the June-2018 Tabletop Sale at Danbury and on a visit to Baldock in 2003

Cremation: 11am Wednesday 22nd March North Chapel, Chelmsford. CM1 3BL.



Silent Key Trevor Blake M6NNI

Trevor died on 5th February 2023. He worked for many years at the Marconi Research Centre, later BAE Systems Great Baddow, working on radio systems, especially HF radar.

He passed his foundation exam with CARS in February 2018 (see photo) and was issued with the callsign M6NNI.

Funeral: St Mary's Baddow, 1:30pm Friday 10th March



Sale/Free Items

Following Canvey Rally we still have a few items left in our G3CVI-SK Sale. Pop along to a CARS meeting to pick them up! Latest List below and other items: <http://www.g0mwt.org.uk/society/sales.htm>

General terms: CARS Members get first preference if demand is high; sold as seen; Buyer to collect
Enquiries to Paul G4PVM: g4pvm@g0mwt.org.uk

Accessories

- BNOS low pass filter 6m filter. Part no. F50-L/U.
- CDE Model AR-30/AR-40 Solid state Direction Module Indicator (rotator controller).

Books (paper back unless stated) – free, but a donation would still be appreciated.

- Practical Wire Antennas by John Heys G3BDQ, RSGB 1989.
- Microwave Handbook Volumes 1 to 3 - by MW Dixon G3PFR, RSGB 1994
- The Radio Amateur's Handbook 1977 - by ARRL (700 pages).
- Slow Scan Television Explained - by Mike Wooding G6IQM, BATC 1992
- Radio Communication Handbook volumes 1 & 2, RSGB 1976 (hard back)
- The Amateur Radio Handbook (3rd edition) RSGB 1961 (hard back)
- Single Sideband for the Radio Amateur (1st edition) ARRL 1954.
- Admiralty Handbook of Wireless Telegraphy 1938 Volumes 1 & 2
- Signor Marconi's Magic Box - by Gavin Weightman

Foundation Course-42

CARS 42nd Foundation Course was held in FastTrack format on the Thursday evenings of 2nd & 9th February. After a surge of registrations, we were pleased to host six young engineers from a local company. CARS training coordinator John M0JOC introduced the training and exam system, whilst Murray G6JYB, took them thru CARS Updated Foundation slides exam handouts and finally a revision session with some rather testing questions.



CARS Next course for either Intermediate or Full which we are still recruiting is set for March – register now!

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Newsletter and Archive: <http://www.g0mwt.org.uk/newsletter>