



Chelmsford Amateur Radio Society

Established 1936

Affiliated to the RSGB Club Call Sign-G0MWT
President-Carl Thomson, G3PEM Chairman-John Yates, G1UZD
Treasurer-Brian Thwaites G3CVI Acting Vice Chairman-Geoff Mills, G3EDM



LOTTERY FUNDED

Newsletter No 582

Web Address: www.g0mwt.org.uk

September 2014

This Month's Meeting

OAKLANDS MUSEUM, MOULSHAM STREET, CHELMSFORD, CM2 9AQ

Tuesday 2nd September, D Star Radio Operation and Demonstration
by Gary, 2E0ULA & Joel, G0URK

A good opportunity for beginners or people with questions about how to operate Dstar to have their questions answered.

Carl Thomson, G3PEM and James Beatwell, 2E1GUA will run the Raffle.

Dates for your Diary

Tues 9 th , 16 th , 23 rd , 30 th	CARS - Evening Radio Nets @ 8:00 pm (Local). See Website for details.
Every Monday	Essex Ham 2m Net @ 2000h GB3DA
Thursday 4 th September	Start of Foundation training course 7pm Danbury Village Hall
Thursday 4 th September	Start of weekly Morse classes 7pm Danbury Village Hall
Thurs 11th & Frid 12th September	WW1 station GB100MWT at Sandford Mill 1000 – 1700h
Saturday 13 th September	WW1 station GB100MWT at Oaklands Museum 1000 – 1700h
Monday, 15 th September	CARS Skills Night 7:00 pm Danbury Village Hall
Sunday 28 th September	GB100MWT from Sandford Mill 1000 – 1700h
Tuesday 7th October	Annual General Meeting

To be a Member of CARS, send a Cheque for £15 – Adult Membership (16s and under are FREE) to:- Mr Brian Thwaites, 118 Baddow Hall Crescent, Great Baddow, CHELMSFORD, CM2 7BU.

If you would like a receipt, please enclose a stamped addressed envelope with a 2nd class stamp.

Please inform Brian, G3CVI by email at g3cvi@g0mwt.org.uk of any changes to your callsign, postal or email address, etc. Only by **YOU** sending Brian your email address, can we ensure **WE** get it right!

Nets

Tuesdays **2000h** (9th) GB3DA, (16th) GB3ER, (23rd) 1.947MHz, (30th) 3.750MHz
Also there is the Essex Ham net every Monday @ 2000h on GB3DA

Net Controller for September is Carl G3PEM.

Morse Experience at Colchester Military Day



Two CARS members, Andy, G0IBN, and Oliver, M0WAG, helped out in the WORLD WAR 1 tent at Colchester's Military Day on July 5th demonstrating a "Morse Code Experience." The loudspeaker sending continuous Morse code brought the inquisitive inside where 47 children experienced sending their name in Morse code. The children, and their parents, appeared to enjoy the experience and many had stories to tell of their relatives using Morse code during the war.

The female company also made it a pleasant day!

Andy, G0IBN

Tuesday 5th August, Constructors Contest

Carl, G3PEM opened the meeting and among the many items presented and shown were the following.



Peter, G3SUY explaining the construction of his 400 Watt Linear for portable working.

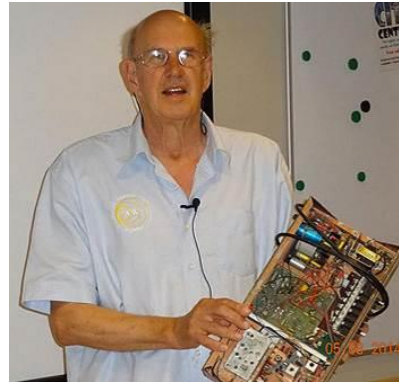


Andy, G1GKN explaining how he built his 470kHz, 10 Watt Transmit Transverter for use with his FT817.

All previous photos by John, G8DET the following by Colin, G0TRM.



Bruce, M0XBS (congratulations on the new call!) explaining his Field Strength Meter and his 5 Amp PSU.



John, G8DET holding and explaining his FM Tuner from 1976.



Charlie, M0PZT explaining how he obtained a Tablet and turned it into a Logging Computer.



Clive, M0GHH explaining the details of his High Speed Fuse with a Hair Drier.

The results were as follows:-

1. Peter, G3SUY 400Watt Linear.
2. Charlie, M0PZT Logging Tablet.
3. Andy, G1GKN Transverter

A Special Prize was awarded to Bruce with his PSU & Field Strength Meter.

The now famous CARS Raffle was run by James, 2E1GUA, many thanks.

A very good evening showing that Home Construction is NOT dead!

Thanks to everyone who turned up and demonstrated their apparatus.

The Certificates and Shield will be awarded at the October AGM.

Article extracted from the CARS website – editor



Colin, G0TRM explaining how he made a Morse Key from Tea Bag Tongs – the 9th year he had constructed such a device.

Commemorating the Start of WWI

CARS was at Oaklands Museum to "Meet the Public" on the normal opening hours of the Museum, 1pm to 4pm.

CARS would like to thank Nick Wickenham, Manager for Oaklands for his support with the Ofcom Application for GB100MWT in January 2014 and Mr Ian Leonard for arranging this presentation at Oaklands Museum.

Thanks to David and Myra Davis, G3SVI and M0MYA for giving up a family visit to come to Oaklands. Thanks also to Colin Page, G0TRM for supporting CARS at Oaklands and bringing his hugely successful Morse Demonstration Keyboard.

It was noted that in 1914 all wireless communications was using Morse, both by the British and Germans.



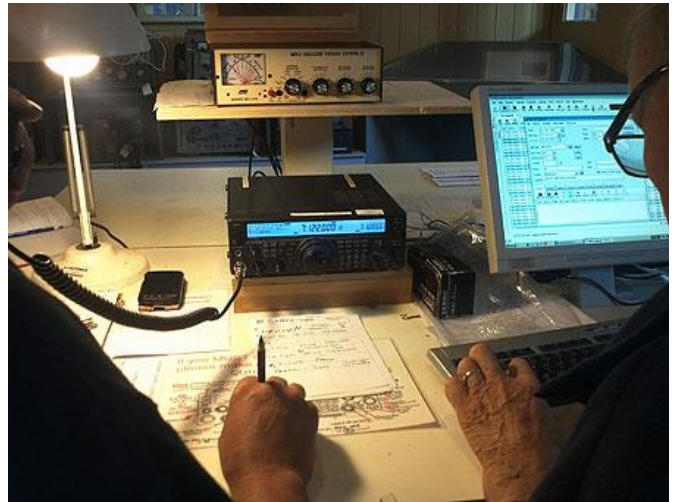
John G8DET and David G3SVI standing behind the excellent table display.

Photograph by Colin, G0TRM.

President Carl, G3PEM and Geoff Lovegrove, G7KLV set up the rig and computer for logging before Sunday at Sandford Mill and this was a great help as it meant the SSB operating team could switch on at 10am and "go straight away". Peter Bridgeman, G3SUY and Charlie M0PZT found a clear frequency of 7.122MHz and were able to hold it until 5pm even though there was some attempted disruption.

During operating periods when Charlie invited M3 and M6s only we had a contact with an Amateur running only 1Watt.

Operators and Loggers additionally included Tony Gilbey, G4YTG; Chris Chapman, G0IPU; Oliver Prin, M0WAG and G8DET. Trevor, G4LPS stayed supporting the CARS team all day while Bob Davy watched and listened to what was going on.



The rig with the operating frequency displayed; photo by Charlie, M0PZT.

Charlie reports we worked around 250 QSOs spread across 9 countries. Our small group of operators rotated between operating, logging and talking to members of the public. The museum got particularly busy and it was nice to see some of the youngsters showing an interest in our activities. A QSO map of some of our contacts is shown below.



GB100MWT Special Call-Sign was used throughout the day.

Additionally there was a MA3 from John O'Groats and a QSO from the West Coast of Ireland.



Charlie logging and Peter operating at 10am

Members of the Friends of Sandford Mill were on hand to assist.

Thanks to Dr Geoff Bowles for arranging the event, and to Charlie, M0PZT for attending the whole day.

Sandford Mill – When All Else Fails

Sunday the 10th of August was set to be a standard afternoon's operating at Sandford Mill Museum, but events took an unexpected turn. The Met Office had issued weather warnings for the day, as Britain expected to see the tail of Hurricane Bertha. Following a burst of heavy rain and lightning, a problem with local overhead power cables killed all power to Sandford Mill Museum just after the gates opened to one of the museum's August public open days.



Pete M0PSX and Charlie M0PZT operating GB100MWT from Sandford Mill 10 August 2014 (Photo courtesy of John Bowen G8DET)

Derek, M0SCE & Lloyd, M6LHG were mid-way through the first QSO with a G1 station in Ipswich when power was lost. When it became clear that the problem wasn't a simple fuse and we could be off for some time, John G8DET hurried home to pick up his generator, and soon GB100MWT was back on air.

Operators for the afternoon were Charlie M0PZT and James 2E1GUA, with Pete M0PSX on logging duties and Jim 2E0RMI talking to the museum's visitors. Other amateurs visiting included Derek M0SCE and Lloyd M6LHG from Southend, Geoff G7KLV, Clive M0GHH and Geoff G3EDM.

Despite the power outage, visitors to the museum were still able to enjoy the many exhibits, but with the amateur radio station powered, lit and connected to the Internet, it drew more attention than normal. The power outage did present the team with the opportunity to point out to the museum's visitors that when all else fails, amateur radio still works! Demonstrating the virtues of teamwork, technical knowledge and pooling of resources.

For details on the afternoon's activities, and a selection of photos, go to

www.essexham.co.uk/sm10aug14

GB2VJ - Special Event Station to mark V-J Day in Europe & USA,

On 14th August 1945, it was announced that Japan had surrendered unconditionally to the Allies, effectively ending WW2. Since then, both 14th August and 15th August have been known as 'Victory over Japan Day,' or simply 'V-J Day.' The term has also been used for 2nd September 1945, when Japan's formal surrender took place aboard the U.S.S. Missouri, anchored in Tokyo Bay.

Coming several months after the surrender of Nazi Germany, Japan's capitulation in the Pacific brought six long years of hostilities to a final close.

Essex CW Club is a unique group supporting and encouraging the learning and use of Morse code. Details at www.essexcw.org.uk

CARS August Skills Night

The 18th of August was the eighth CARS Skills Night in Danbury. Over 40 amateurs gathered for the regular monthly get-together that is a mix of demonstrations, and the opportunity to get help and advice from fellow amateurs and enthusiasts.



In a first for the Skills Night, attendees could walk away with an personalised engraved call sign badge, thanks to Jim 2E0JTW and his very heavy engraving machine. If you're interested

in getting your own call sign badge, come along to our September Skills Night, where badges can be custom-made in a range of colours.



With lots of interest being shown in data modes, Pete M0PSX offered a demonstration of SSTV using the free software package MMSSTV.

Pete demonstrated how to create SSTV templates including a CARS Skills Night image, and demonstrated how to decode, store and reply to received SSTV CQ images. When Pete wasn't conducting a demo, the station was running a scrolling display of received SSTV images, including some received from the International Space Station and the ARRISat-1 satellite.



As ever, the CARS training team in the construction corner was pretty busy helping out with construction advice and soldering practise, and CARS

President Carl G3PEM was on hand giving out valuable HF advice with the aid of his trusty whiteboard and antenna modelling software.

The Essex Repeater Group set up a table for the first time at a Skills Night to raise awareness of ERG and to answer questions about the local repeaters, and the regular quiz, hosted by Clive G1EUC, included questions on bandwidth, SWR, gain and satellites.

Free Wi-fi was available courtesy of Essex Ham's wireless hotspot, and tea, coffee, cakes and biscuits were available throughout the evening.

Despite the holiday season, several new visitors turned up, including an amateur from St Albans, and three visitors from MARTS and BRATS in Medway, Kent. Also visiting was John 9H5G, whose normal QTH is on the Maltese island of Gozo.

Thanks to David and Myra for the hard work 'backstage', and to everyone who helped out to make the evening a successful one.

You can find a collection of photos from the evening at: <http://www.essexham.co.uk/skills-aug14>

Pete, M0PSX

ANNUAL GENERAL MEETING

The AGM of the CHELMSFORD AMATEUR RADIO SOCIETY will take place on **Tuesday 7th October** at the society's normal meeting place of Oakland's Museum.

Presidential Jottings

Our constructors competition at the being of August had nine entries and I would like to express my thanks to all those that took the trouble to enter a project. I always worry that we will not have enough entries but the members always turn up trumps.

Elsewhere in this newsletter you will read the formal notice of our AGM, please support the meeting as it is your society and the committee needs your input. To add an incentive the grand raffle will be held, with a prize donated by myself; this in addition to our normal raffle. All members

who purchased raffle tickets during the previous year will be entered in the grand raffle, but to claim the prize you must be present at the meeting.

Carl, G3PEM

For Sale

Yaesu FT-920. With mic, power lead. & manual. Options fitted are FM unit (FM-1), 6Khz AM filter (YF-116A), 500Hz CW filter (YF-116C), frequency stability crystal oscillator (TCXO7). Serviced by Waters & Stanton approx 1 year ago £700 ONO

Kenwood TS-850. With, mic, power lead. & manual. Auto ATU is not fitted. Serviced by Waters & Stanton in 2008, £400 ONO

Above are in perfect working order and complete with original packaging.

Yaesu SP-8 speaker. £80 ONO

Cushcraft AR-6 6m vertical aerial.

With both assembly and installation manuals. No box .£30 ONO

Icom-706 Mk1. Works perfectly. Icom power lead and mic. No box.: £300 ONO

Various CB equipment. Please ask for details.

All equipment can be seen working at my flat in central Chelmsford any weekend.

Genuine reason for sale – cash only.

Any serious offers will be considered.

Enquiries to hugh.greenwold@barcap.com

Offered Free

Decluttering my garage so have the following surplus to needs.

Sharman X510n 2m/70cm may need some TLC.

2 (large, single magnet) magmount bases with SO239 socket and cable, never used still in packaging.

All available for collection from Laindon, contact alan.g0rth@gmail.com for details.

And Finally:-

Remember, any articles you feel may be of interest to members are welcome as are details of items for sale or wanted. Send to cars.editor1@gmail.com.

Closing date for items in the next Newsletter – Tuesday 23rd September

Late Breaking Items

Morse Classes

Chelmsford Amateur Radio Society Morse



classes will be starting again on Thursday, September 4 at 7pm in the Danbury Village Hall. The Morse classes, run by Andrew Kersey,

G0IBN, have proved very popular. Foundation holders have been keen to find out more about this mode which enables long distance working using very low power levels.

If you are a beginner you will be made very welcome. Andy can start you off on this great aspect of our hobby. If you would like to improve, or just need encouragement to get on the air, please join us.

Instruction is also given on all aspects of CW - which include good manners on the air; how to have that CW chat; DX manners; Contesting and operating skills on the pump key and twin paddle keying.

If you really cannot make it to Morse classes on a Thursday evening then an "email cw" course will be starting from September 4th. Assistance can be given via Skype if requested.

For more information contact Andrew; email details below.

Those interested in learning Morse code or wanting to increase their Morse skills should contact: Andrew, G0IBN, on 01621 868347 email: g0ibn@kersey1.freemove.co.uk

Trevor, M5AKA

Foundation Training Course

The 30th CARS amateur radio Foundation training course starts Thursday, September 4. The first one was held in January 2002 and since then over 250 people have done their Foundation with CARS.

The course is six Thursday evenings of practical work and theory, but the view from previous course attendees, is that it's not just boring theory, but a whole load of fun as well.

There are still spare places on the course so why not tell your friends about it.



The course is held at the Danbury Village Hall pictured above.

CARS has been very fortunate in having so many members willing to help with the training in a variety of roles from teaching, acting as out-stations and ensuring there was always tea and coffee available.

It has truly been a team effort and one that has invigorated the hobby in Mid-Essex.

To find out more about amateur radio and the CARS courses speak to Clive G1EUC on Tel: 01245-224577 Mob: 07860-418835

E-mail: training2014@g0mwt.org.uk

Web: <http://www.g0mwt.org.uk/training/>

For information on "What is Amateur Radio?" <http://www.essexham.co.uk/what-is-amateur-radio>

Trevor, M5AKA

Latest RSGB Proposals

After the construction competition at last month's meeting, Murray, G6JYB gave a recap of the recent proposals in the August edition of RadCom regarding encouraging youngsters, construction and demonstrating Amateur Radio. This provoked a good discussion on how best to demonstrate amateur radio to the public.



Murray's Summary Slide left.

A copy of the full RadCom article is available in PDF Format [here](#).

It suggest three options including a new basic/junior VHF licence but, as the summary says, if you have a better idea, contact the RSGB via the "[have your say](mailto:haveyoursay@rsgb.org.uk)". link.