



Chelmsford Amateur Radio Society

Established 1936

Affiliated to the RSGB Club Call Sign-G0MWT
President-Carl Thomson, G3PEM Chairman- Chris Chapman G0IPU
Treasurer-Peter Davies, M0PSD Vice President-John Bowen, G8DET

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LOTTERY FUNDED

Newsletter No 591

Web Address: www.g0mwt.org.uk

June 2015

June Meeting
Tue 2nd June-2015, 7.30-10pm
Oaklands Museum, Moulsham Street

**The Bodger's Guide to
Microwaves**
John Worsnop, G4BAO

The greatest DX is not on HF but on the microwave bands, which are a home to construction and innovation (much of which feeds down to lower bands). Without microwaves there would be no smartphones, Wi-Fi or SatNav. Dr John Worsnop, G4BAO who is the treasurer of the UK Microwave Group and a member of the RSGB Propagation Studies Committee will travel from Cambridge to enlighten us as to what is now possible. Visitors welcome - CARs will have its famous raffle

May Meeting
Tue 7-Apr-2015, 7.30-10pm
Oaklands Museum, Moulsham Street

Operating Portable
By Charlie Davy, M0PZT

We're all hoping for a good summer in 2015, which is the perfect excuse to get out in the fresh air and 'play radio'. With that in mind, the subject of the CARs May club night was "Operating Operable".



Around 50 people turned out to hear experienced /P operator Charlie, M0PZT discuss working in the field, and the talk had a good mix of content for those new to the world of portable operating, as well as those with more experience.

After running through the 'The Big Three' of working portable "Why? Where? and How?", Charlie talked through the challenges experienced when working away from the cosy environment of the home shack, such as equipment, antennas, batteries, and catering.

A good selection of equipment was brought along by Charlie, as well as fellow portable operators Peter, G0DZB and Pete, M0PSX. Charlie gets to most events using pedal-power, so what he brings along is restricted. He typically relies on a sealed lead acid battery (SLAB) for power, and there was some interesting discussion on lighter LiPo batteries, with an appropriate warning that they do require careful handling. Safety was another important topic covered during the talk, with recommendations including the use of yellow guy wires, pegs and Velcro, plus careful and secure erection of antennas.



If you fancy trying your handy at some portable work this summer, Charlie and the team expect to be very active at sites including Galleywood Common, Maldon Park and Shoebury East Beach. Updates on last minute field days will typically be announced on the @m0pzt or @essexham Twitter feeds, so keep an eye out. These events are a great opportunity to either bring out your own kit to give it a try, get help from others, or try something new on someone else's equipment or antenna.

Well done to Charlie M0PZT for putting together an excellent talk and passing on some top tips.

Useful Links include: Charlie M0PZT's site: www.m0pzt.com;
Field Event and /P checklists: www.sxham.uk/docs
Amateur Radio Portable Operators Club (ARPOC): www.arpoc.org

Thanks to Pete, M0PSX for the report.

More on the [website](#).

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.
Tuesday 2nd June	CARS Meeting - "The Bodger's Guide to Microwaves" - John Worsnop G4BAO
Monday 15 th June	CARS Skills Night, 7pm Danbury Village Hall
21-June	Summer Solstice Galleywood Common
Late June	Museum of Power

Nets Tuesdays **2000h** (9th) GB3DA, (16th) GB3ER, (23rd) 1.947MHz, (30th) 3.756MHz
Also there is the Essex Ham net every Monday @ 2000h on GB3DA

June Summer Solstice
Sunday 21-Jun-2015
Galleywood Common
JO01FQ, Wab:TL70

**"GB1JSS Special Event
Station"**
Operating Event

The longest day of the year is the ideal excuse to play radio outdoors, so the club will be putting on another field day. At the popular location of Galleywood Common, several stations will be active through the day including 40m SSB plus CW/SSB/Data on the higher-bands subject to conditions. A 2m station will also feature for local contacts.

Field days are a great opportunity to have a go "outside of the Shack" with a full-sized aerial and (hopefully) a bit of sunshine! All are welcome to visit, operate and/or assist.

Last year, operators were on-site for 5:30am but you are welcome to attend whenever you like - and the event runs until around 9pm just in time for sunset.

All are welcome to visit, operate/assist - if you wish to bring your own kit, please contact Charlie M0PZT
m0pzt<at>m0pzt.com

Details of last year's event can be seen here: <http://www.m0pzt.com/blog/gb1jss-june-summer-solstice-report.htm>

Galleywood Common offers free parking, lots of operating space and ideal RF conditions: No electrical noise and an 85m take-off which makes VHF rather fun with a finish around 9pm just in time for sunset.

Coordinator: Charlie M0PZT

Location: [Directions/Map](#)

CARS Morse class members will be operating again this year from Tollesbury.

Members include, Andy, G0IBN; Steve, G4ZUL; Dave, G4AJY; Terence, G3GLL; Oliver M0WAG, Colin, M1OCN assisted by Morse class members.

If you are interested in Morse code, or would just like to give us a visit, please drop in, you would be very welcome. Date: 6 - 7 June 2015. The first full weekend in June. Time: 15:00 Saturday 15:00 Sunday UTC

These operating times coincide with the IARU CW Contest and operating speeds may be high.

QTH: Tollesbury..... Grid- 94081107.....CM9 8TP Access-Off Back Road, Tollesbury, opposite Old Hall Lane.

STEM Initiative Marconi – Hall Street Factory

The UK government is trying to encourage young people to take an interest in science and engineering. Here in Essex @BackTheBid2MT seeks to raise money to 'save' the **world's first wireless factory**, in Hall Street, Chelmsford. Hall Street was opened by Marconi in 1899 and was replaced by a much bigger complex at New Street after Titanic sunk in 1912.

Its legacy is that thousands and thousands of lives were saved, not just on Titanic and Lusitania thanks to equipment made at that tiny building – which is now on the brink of becoming flats and business space, just like New Street, but on a smaller scale.

@BackTheBid2MT want to raise enough money to run STEM clubs for young people, future scientists and engineers that the UK badly needs – you can read the full story by clicking on this link to the crowd funding site called Space Hive. <https://spacehive.com/marconiscienceworX>

Net Controller for June is Carl, G3PEM

Thanks to Peter, M0PSD & Peter, G3SUY for May.

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International Marconi Day - Sandford Mill

Commemorating Marconi's Birthday - 25th April 1874 Sat 25-Apr-2015, 10am - 5pm

The day started a little wet but that did not dampen the spirits of CARS members who undertook a wide range of activities at Sandford Mill as part of the 2015 International Marconi Day on Saturday 25th April.



The club callsign GX0MWT was operated as an official 'Award Station' in the historic "Marconi Hut" making many contacts on 40M throughout the world, and a CW only station in the upper office where Andy Kersey G0IBN and his team were in attendance.

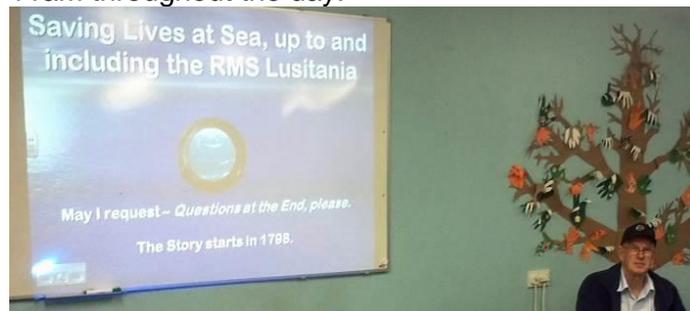


On the first floor Colin Page, G0TRM and his team was demonstrating the impressive Morse Key display with the opportunity for the youngsters to try their hand. The Morse punched paper tape sending and decoding process always proves to be a big hit with potential junior CW operators.

During the day there were several presentations in the Barn on the museum site. At 2:15 pm radio communications historian Dr Elizabeth Bruton, gave a talk on Marconi. This included details about the vital wartime contribution made by the Marconi Company during World War One. It also included a local element: a signals interception station located at the Hall Street works in Chelmsford.

With over 400 visitors to Sandford Mill and the Radio Stations, this was a very successful day for the Society.

CARS Vice President John Bowen, G8DET gave three presentations titled "Saving Lives at Sea - up to and including the RMS [Lusitania](#)" from 11am throughout the day.



The centenary of the May-7 Lusitania sinking was also featured in a [separate special event](#), where a CW only radio station was in use.

Many thanks to all that helped from the society to make the day a success, from the operators who took part on the key or the mic to those who hosted explaining Amateur Radio to the public as they enjoyed the day.

If you feel you could help on the next event either on the radio or talking to the public in attendance then please contact me or a committee member, your help will be gratefully received.

Christopher Chapman G0IPU (Acting) Chairman

[A more detailed report available on the website.](#)

Breaking News as received

Gear available from the QTH of G3EDM (SK)

Lots of old Valve gear TX and RX AND HEAVY Power units Vintage stuff various

Also

Icom Aerial tuner remote and automatic AH3

4 or 5 Heavy duty rotators with the remote controllers Hygain and CDR

Heathkit PSU type830

Heathkit Phone patch unit as used in the states to patch the telephone line to the radio

TENTEC Omni 6 transceiver in new mechanical condition but does not work properly

Lights up changes freq on display but no rx ortx

Zeiss Slide projector boxed with spare lamp

Drums of coax and 4core cable

Vintage Rolls Royce Ignition unit with Trembler (High Voltage generator

Boxes of TX &RX Valves Glass GT octal and metal Rectifiers etc.

Pye PMR Base rec. Valved

Small Xtal CW TX not homemade probably an SOE or German Spy Transmitter

***Closing date for items in the next Newsletter -
Thursday 25th June.***