



# Chelmsford Amateur Radio Society Newsletter

## July Meeting

Tue 4-Jul-2017, 7.30-10pm  
Oaklands Museum, Moulsham Street

## "Three Short Talks"

By CARS Members

Our next meeting features a series of three short talks by Club members:-

- **A Century Not Out— WW1 Wireless sets**
- **Magic Quarter Waves**
- **Marconi's Hidden Museum**

The first talk by Brian Styles G3NSD, an avid collector of all things scientific will discuss and display a one hundred year old working WW1 Mk-III 'trench' receiver and an aircraft 52B 'spark' transmitter, both initially used for military reconnaissance. There is a possible connection with the Marconi factory in Hall Street where this type of equipment was manufactured.



The second talk Magic Quarter Waves, will be by Tony Gilbey CARS President, as an aerial expert he will discuss the how and why of radio waves and the aerials of all sorts that send out the wireless signals we all use daily.

Finally, after a break for tea and coffee, CARS vice-President Murray Niman, courtesy of his international amateur radio efforts will reveal all about a real hidden gem, the Marconi Hidden Museum. Where is it hidden? You will need to come to Oaklands Museum at 7.30pm to hear the story!

All welcome. Free entry and parking.

The purchase of a raffle ticket is requested. Refreshments are available.



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## Club Diary

Tue 04-Jul-2017	Meeting: Three Short Talks	Chelmsford – Oaklands Museum, 7:30pm
Sun 09-Jul-2017	Science Discovery Day: The Great Outdoors	Sandford Mill, 10am-4pm
Tue 01-Aug-2017	Meeting: Constructors Competition	Chelmsford – Oaklands Museum, 7:30pm
Tue 05-Sep-2017	Meeting: Radio Caroline	Chelmsford – Oaklands Museum, 7:30pm

## Club Nets

CARS meets for talks/events on the first Tuesday of the month. The subsequent Tuesdays have club radio nets as follows:-

- 2<sup>nd</sup> 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
- 3<sup>rd</sup> 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.
- 4<sup>th</sup> 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.
- 5<sup>th</sup> 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 Dates

CARS Intermediate Course-16 successfully concluded as planned on Thursday June 8<sup>th</sup>. Training resumes after the summer break.

Please note the following if either you are interested, or know some who may be...

Course	Dates	Comment
Foundation-36	Sep-7 to Oct-12	Register your interest now!
Advance Exam-20	Thu 7 <sup>th</sup> Dec	Registration for Advance must be 4wks beforehand. The session can also accept Foundation/Intermediate exam-only

**Contact:** Chris Chapman G0IPU, [training2017@g0mwt.org.uk](mailto:training2017@g0mwt.org.uk) Web: [www.g0mwt.org.uk/training](http://www.g0mwt.org.uk/training)

**Morse Classes:** These are run by Andy Kersey G0IBN at Danbury in parallel to the main training courses. They will re-start after the summer break on Thursday 7<sup>th</sup> September.



Follow @TrainWithCARS

**June Meeting Report: Table Top Sale**

Another year and another successful CARS Tabletop Sale came and went as did the many eagle eyed visitors searching the fully filled tables piled high with all manner of interesting bits and pieces; even the occasional radio was seen.

All the tables were occupied, mainly by Club members but we were very glad to welcome to this popular event a number of sellers from other Clubs who came to offer their goods for sale.



I would like to thank all those members who contributed in making the evening a success, David, Myra and Ann for taking care of the tea and cakes all the evening and Brian for the raffle.

Three members Chris G0IPU, Tony G4YTG and Bill G8CYK were selling goods on behalf of other parties and passed on the proceeds to them as appropriate. Bill was able to pass all his goodly £80 takings to Club funds bringing the total for the evening to well over £125. My thanks again to everyone.

**Colin G0TRM**



**The LEFARS club table**



**Former CARS President  
Dick Brocks G3WHR visited**



**Kristian MOSSK with his Raffle prize  
– A Pocahontas Pen Set!**

More Tabletop Sale photos are online at:- <http://www.g0mwt.org.uk/meetings/past17-apr-jun/#June>

## Training Matters

CARS Intermediate Course-16 successfully concluded as planned on Thursday June 8<sup>th</sup>. The exam session had seven intermediate candidates, but also included two Foundation candidates as well. After a bit of wait for the marking, the pleasing result was that all nine had indicative passes, making for a very successful conclusion to the first half of the 2017 training season. Well done all!



## Exam Syllabus Reviews Published

From GB2RS: A complete review of the syllabus for all three levels of the amateur radio examinations has been completed. The draft of the new syllabus is now available for consultation together with a survey for any comments you may wish to make. The survey will run until 21<sup>st</sup> July 2017.

Please visit [http://rsgb.org/syllabus\\_review](http://rsgb.org/syllabus_review) to access the syllabus draft document (and the current ones) and learn how to make your comments on the RSGB consultation survey.

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CARS and Essex Ham have strong interest in training matters...

Peter M0PSX has an overview of the changes (overload?) at Foundation at:  
<http://www.essexham.co.uk/news/rsgb-foundation-syllabus-review.html>  
-and is also running his own survey if you are a trainer

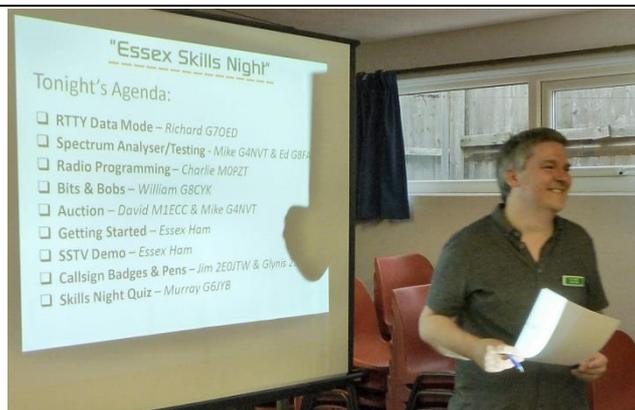
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## Essex Train the Trainers

TARG is hosting the event on 9th December. Registration and more information at:-  
<http://rsgb.org/main/clubs-training/tutor-resources-2/train-trainers-events/> Book Early!

## June Skills Night Report

Monday evening, June 19<sup>th</sup> 2017, was another well-attended Essex Skills Night at Danbury with over forty attending despite the very warm weather. Skills Coordinator Pete M0PSX and the event will be taking a well-deserved break over the summer - so no July/August and is planned to return in September.



Peter M0PSX introducing the evenings agenda



Attendees listening...



A seasonal facility! - for the warm evening



SDR Demo



Items for the Auction

### Some of the Quiz Questions

Q3 Repeaters in Essex – What do these have in common?  
GB3ZP, GB3EB, GB7SS, GB7YO

Q9: If I am operating on the Portsmouth to Isle of Wight Ferry, what suffix should I use?

Q10 What is this an Anagram of?

Ox Arm Aide

More on Skills: [www.g0mwt.org.uk/skills/](http://www.g0mwt.org.uk/skills/)

## Equipment Sale

Chris Chapman G0IPU is managing the clearance of a range of good condition items which are on a sold-as-seen basis.

There is more than just list below! – Full info is on our sales page at:

<http://www.g0mwt.org.uk/society/sales.htm>

Item	Category	Manf	Model	Description	£ Guide
R1	Radio	Alinco	DJ-195	VHF FM single band handheld	£25.00
R2	Radio	Alinco	DJ-G5	VHF/UHF dual band handheld	£35.00
R3	Radio	Alinco	DJ-V17	VHF single band handheld	£40.00
R4	Radio	Daiwa	SR-9	Search-9 VHF Receiver	£20.00
R5	Radio	Grundig	YB 400	Multiband LW/MW/SW/FM World Receiver	£35.00
R6	Radio	Icom	IC-746	HF Transceiver	£450.00
R7	Radio	Maycom	FR-100	Basic scanner	£20.00
R8	Radio	Telcom	Talkeasy-100	Pair of PMR-446 handhelds	£10.00
R9	Radio	Wouxun	KG-UV6D	FM dual bander	£45.00
R10	Radio	Yaesu	FT-2800M	2m VHF Mobile	£85.00
R12	Radio	Yaesu	FT-897	HF/VHF/UHF Transceiver plus matching ATU	£500.00
R13	Radio	Yaesu	VX-2E	VHF-UHF Handheld 6M 2M 70cm	£50.00
R14	Radio	Yupiteru	MVT-7100	Multiband receiver	£45.00
R15	Radio	Yupiteru	MVT-7200	Multiband receiver	£45.00
S1	Speaker	BHI	DSPKR	DSP Noise cancelling speaker	£30.00
S2	Speaker	BlueParrott	B250	Roadwarrior bluetooth wireless headset	£15.00
S3	Speaker	Icom	IC-20	External Speaker	£40.00
S4	Speaker	MFJ	MFJ-281	External Speaker	£10.00
S5	Speaker	Midland	70-2355T	External Speaker	£10.00
S6	Speaker	Moonraker	PMR-201	External Speaker	£7.00
S7	Speaker	SMC	SP2	External Speaker	£10.00
S8	Speaker	Trust	Soundforce Vivo	PC speakers	£10.00
S9	Speaker	Yaesu	SP-6	External Speaker	£60.00
T1	Tuner	Global	Coupler AT-2000	Tuner	£30.00
T3	Tuner	LDG	Z-817	QRP autotuner	£60.00
T4	Tuner	MFJ	MFJ-906	6m tuner	£50.00
T5	Tuner	MFJ	MFJ-941E	Versa tuner	£50.00
T6	Tuner	MFJ	MFJ-971	Portable tuner	£40.00

Power supplies, antennas and flight case and a range of other accessories are also available

## A Letter from Norwich - from Steve G4GHO

I thought I would write to say that we have pretty much settled down now and just need to fettle a few things before we get fully stuck into Norfolk life.

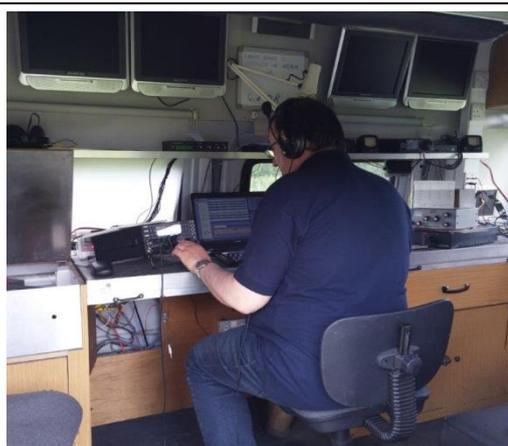
Initial impressions are that the natives are friendly and have been making us welcome. We are only about 5mins bike ride from NARC's meeting place at Norwich Central School and they seem a great bunch. The demographic is, in general, pretty similar to CARS, but with a younger element and with the benefit of some dynamic personages...

NARC have a permanent shack setup at the school that is contained within a fairly large cupboard. A recent purchase of an IC7300 has been made for use by whichever club members request the loan of it – a really nice facility to have if you want a taste of modern rigs without the outlay.

NFD was interesting. It was held in conjunction with the RadioActive event at the premises of DCP Micro and was hosted during both days by David, G7URP and XYL Tammy, M3PLU. There were two QRP HF stations in two different nearby fields using full size inverted V doublets and a QRO station for 6m with 8-ele and 5-ele Yagis pointing fore and aft atop a large (100ft) tower. The RadioActive event consisted of a programme of talks and mini-seminars, with refreshments available throughout the 2-day event duration. On the Sunday, David and Tammy provided a free roast lunch for all those who booked in advance.



NFD QRP Station-1



QRP Station-1 - Inside



DCP Micro venue and masts

Pete Sipple, M0PSX came along on the Saturday with Nick, 2E0FGQ and were filming for the next issue of TX Factor which will come out shortly. He was interested to see how NARC works and had much to praise for the club.

When the dust has settled on all the necessary work in the house, garden and garage (aka workshop/shack outpost) I will get the gear out of storage and see what this part of the world has to offer. I'm looking forward to getting back on the air again.

When we were looking at the move initially, the nearest river seemed not very far at all as the crow flies and we wondered about the possibility of flooding. We soon found out that the walk to the station (via a river footbridge) is a long way down a very steep hill, so no chance of that, then! Having said that, the Ordnance Surveyor was taking measurements around the house recently for the revised mapping and he tells us we are only 37.4m ASL, so not exactly head-in-the-clouds territory, but good enough to let me get into the local repeater easily enough with the Blofeld; much better than the old Chelmsford QTH...

## Norwich Update

Some of you may remember my experiences in trying to get a ground stake into the garden in Chelmsford and being thwarted by a layer of gravel several feet down.. The new QTH has a mixture of very sandy soil (with no obvious organic matter or earthworms) and a HUGE number of pebbles, rocks and flints. These aren't builders' rubble - just naturally occurring material in this part of the world.

The developer supplied a generous amount of topsoil and then we believe it was rotovated in with the native substrate, so it all got mixed up. We have been sieving the soil manually to free it of the larger lumps. The pictures show one of the test areas that we dug - about 6ft x 2ft and 2ft x 3ft to about a spade depth, to the bottom of the topsoil. Mara has sorted a few pieces of flint and pebbles for ornamental or weed control use, but most of it is going to rendered hardcore or skip fodder. Fortunately, as long as the developer is still on site, we have the use of free skips.

Our efforts for a couple of days have now filled the skip that was pictured only half full. In fact, the problem is on such a scale, I have ordered a mechanical sieve to make the job not only easier, but possible!



I'm not doing this just so I can get an antenna support and ground stake in; we need to sort out some decent soil before we begin the planting process. Mind you, the soil is so sandy and it has been so dry and windy lately, that the parts of the garden we have attacked look like sand dunes in the Sahara or the 1930's American Dust Bowl. The high winds we have been having recently have blown the fine sand and dried soil all over the place. Leaving windows open in the house has led to a fine layer of dust and grit on pretty much every horizontal surface, so we've learned a lesson there...

Steve Web G4GHO

## Help Wanted !!

- **Chairman**
- **Newsletter Editor**
- **Newsletter Items**
- **PR Officer**



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