



# Chelmsford Amateur Radio Society Newsletter

## August Meeting

Tue 2-Aug-2022, 7:30pm

Danbury Village Hall

## Ten Different Radio Topics

By Jim Salmon 2E0RMI

Jim Salmon 2E0RMI will be present and cover a wide variety of ten radio topics, different to Amateur Radio. The scope of the topics may encompass short wave broadcasting, Thames forts, numbers stations, tall radio masts etc.

So join us for this brief but varied tour of radio subjects from a (ham) radio enthusiast viewpoint. Be prepared for some great pictures and video clips!

**IMPORTANT** local members/amateurs are strongly encouraged to physically attend at Danbury where they will be most welcome. Facilities include Refreshments and a Raffle!

### Meetings venue reminder:

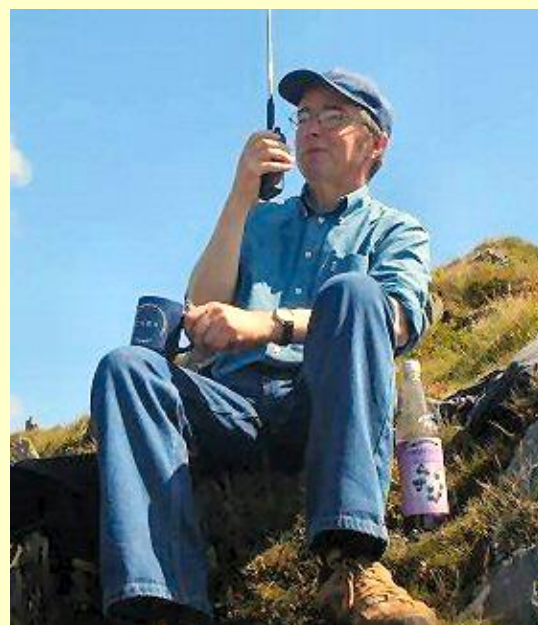
CARS meet on first Tuesdays at Danbury Village Hall CM3 4NQ and no longer use Oaklands Museum.

Radio Surplus to recycle? - Members are welcome to bring it along and place it on a spare table!

### Zoom:

<https://us02web.zoom.us/j/86595868625?pwd=c3VXUIFtenN0cTdkdWtVWIFGUTFUUT09>

- Meeting ID: 865 9586 8625
- Passcode: 826392



**URGENT: SUPPORT THE CLUB - VOLUNTEERS NEEDED NOW! – SEE PAGE-5**

### In this issue:-

Club Diary.....	2	Chelmsford Innovation – Marconi & Beyond .....	5
Club Nets.....	2	CARS/Essex September Table Top Sale .....	6
Training & Morse Classes .....	2	Radios for Sale .....	6
July Meeting: An Introduction to RAYNET .....	3	Play: The First Broadcast.....	7
CARS Needs You!!! .....	5		

**Club Diary**

Tue 2-Aug-2022	Club Meeting: Jim Salmon 2E0RMI - Ten Different Radio Topics	Danbury Village Hall
Tue 6-Sep-2022	Meeting: <b>Table Top Sale !!!!!!!!!!!!!!!</b> Doors open 7:30pm	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/](http://www.g0mwt.org.uk/main/events/categories/net/) :-

- **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 & Morse Classes****CARS Training classes at Danbury:**

If you are interested in these or other opportunities in 2022, please contact **John O'Connell M0JOC** our training coordinator and Exam Secretary

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

John can be contacted via [training2022@g0mwt.org.uk](mailto:training2022@g0mwt.org.uk) or 07868-004380

More info and other updates are at: [www.g0mwt.org.uk/training](http://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 [morse2022@g0mwt.org.uk](mailto:morse2022@g0mwt.org.uk)

 Follow @TrainWithCARS

## July Meeting: An Introduction to RAYNET

At the July Danbury meeting, Andy Atkinson M0IXY presented a nicely illustrated introduction and overview of Essex RAYNET.

As many will be aware the origins of the story go back to the East Coast Floods of 31<sup>st</sup> January 1953. This prompted the formation of the Radio Amateur Emergency Network in March 1954. In 2017 the independent and RSGB-affiliated groups came together and formed the RAYNET-UK national organisation, which provides administrative support to local groups, of which Essex RAYNET is in Zone-4



The current UK legal framework is the 2004 Civil Contingencies Act and is referenced in the Ofcom amateur licence along with the term 'User Services'.

Essex RAYNET has a role in the Essex Resilience Plan for providing emergency communications to Category 1 and 2 user services. In practice a more common request is to provide comms support for charities and communities events such as runs, cycling, car rallies, Clacton air show etc.

Currently Essex RAYNET has a membership of ~36 and assets across Essex including its own repeater network, use of APRS etc. There are also regular exercises with User Services including testing procedures and interoperability.

In concluding, Andy summarised some of the features of RAYNET activities:

- No event is the same
- Using skills and making a personal contribution to supporting charities
- Working closely with other voluntary and professional organisations
- Being part of the contingency planning for Essex County Planning and Resilience

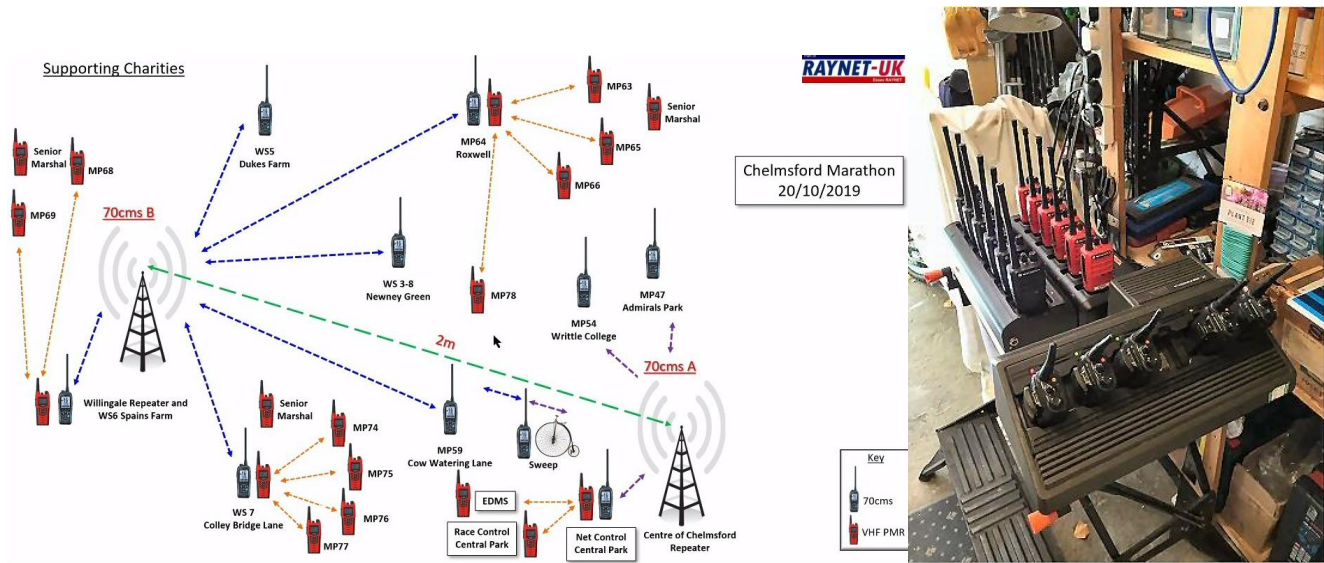


Essex RAYNET



Supporting Communities Events such as the Farleigh Santa fun Run are good practice





Chelmsford Marathon 20/10/2019



Comms Support can involve significant planning and assets

**Guide for User Services MESSAGE**

NUMBER	PRECEDENCE	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	FILING TIME	FILING DATE
M B	<input type="checkbox"/> Routine <input type="checkbox"/> Priority <input type="checkbox"/> Immediate					
> To: (BLOCK LETTERS): <b>COMMANDER PHILIPS SCG STOP REQUIRE LATEST</b>						
<b>A12 TRAFFIC INFORMATION STOP</b>						
From: (name / role in BLOCK LETTERS): <b>TOM SANDERS BRONZE FFRC</b>						
For radio operator only: STATION RECEIVED FROM DATE TIME STATION SENT TO DATE TIME						

**Guide for RAYNET Operators MESSAGE**

NUMBER	PRECEDENCE	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	FILING TIME	FILING DATE
M B	<input type="checkbox"/> Routine <input type="checkbox"/> Priority <input type="checkbox"/> Immediate				HHMM	DDMM
> To: (BLOCK LETTERS): <b>COMMANDER PHILIPS SCG STOP REQUIRE LATEST</b>						
From: (name / role in BLOCK LETTERS): <b>Originator (User Service) of message</b>						
For radio operator only: STATION RECEIVED FROM DATE TIME STATION SENT TO DATE TIME						

Date: \_\_\_\_\_ **Essex Raynet Event Log Sheet**

Log Ref.	TIME	CALLSIGN		MESSAGES	Priority I/P/R	Action Needed	Action Complete
		From	To				

Standardised Messaging is essential for User Service interoperability (no Q-Codes!)

Useful Links

- Essex RAYNET [www.essexraynet.co.uk](http://www.essexraynet.co.uk)
- Essex Resilience Forum [www.essexprepared.co.uk](http://www.essexprepared.co.uk)
- JESIP [www.jesip.org.uk](http://www.jesip.org.uk) (Joint Emergency Services Interoperability Principles)
- UK Threat Level [www.gov.uk/terrorism-national-emergency](http://www.gov.uk/terrorism-national-emergency)
- RAYNET-UK [www.raynet-uk.net](http://www.raynet-uk.net)
- Major Incident Public Reporting <https://mipp.police.uk/>
- What3Words [www.what3words.com](http://www.what3words.com) - precise locations with three plain English words
- Maps.me [www.maps.me](http://www.maps.me)

**CARS Needs You!!!**

For some time the committee has been stretched by a combination of retirements and sadly Silent Keys. We also notice that Covid/lockdowns has had an impact on attendances too. Locally 2022 has already seen the closure of Clacton Radio Club and the GB7CH repeater due to lack of support.

CARS activities have also seen insufficient active volunteers outside of the committee. At the AGM, our long serving Secretary Colin G0TRM retires; who has been instrumental in organising our talks programme, RadCom update etc.

**This brings us to a critical point where the CARS Committee risk being inquorate and also has to consider an EGM.**

Therefore we seek at least 3-4 new committee members. There are plenty of roles where we would welcome fresh skills/help, including PR, operating/activities, training etc. – which can if need be can be backed by our ample assets

Please contact us asap to discuss the opportunities and hear about what’s involved – Don’t wait till the AGM!



**Closure of Clacton Radio Club – July-2022 – please volunteer to avoid another example!**

**Chelmsford Innovation – Marconi & Beyond**

Anglia Ruskin University in Chelmsford hosted this exhibition over the period 22<sup>nd</sup> June to 8<sup>th</sup> July. CARS joined CSES and local groups/companies to exhibit various aspects of radio and electronics. We were kindly assisted in our efforts by RSGB Region-12 representative David de la Haye M0MBD who brought along additional material and handouts.



**CARS Volunteers at the Marconi Exhibition Elliot M0JBY, Andy G0IBN and Bob G4MDB**



**Other exhibits included the former BBC Essex Glen sound mixer desk**

**CARS/Essex September Table Top Sale**



On Tue 6<sup>th</sup> September the great CARS Table Top Sale returns to Danbury Village Hall. The evening will be in the larger main hall at Danbury. We will have facilities for sales of small/single items to whole tables.

If you have missed Canvey Rally, this is an excellent opportunity for Essex radio/electronics bargains, downsizing or recycling.

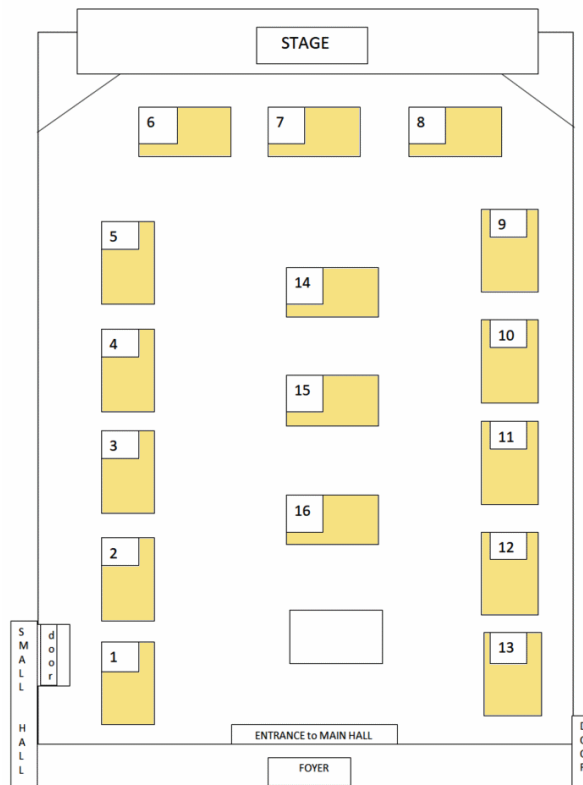
**Those interested in booking tables should contact our coordinator, John Roe G4IMS CARS Treasurer.**

The provisional table layout in the main hall is in the diagram >>

Contact our Sale Coordinator:  
E-Mail CARS Treasurer [tabletop2022@g0mwt.org.uk](mailto:tabletop2022@g0mwt.org.uk)

No Zoom for this one – be there or miss out!  
- Refreshments/raffle too!

All SWLs, Amateurs and Clubs most welcome



**Radios for Sale**

Noel Waddoup ( 07479 520285 / [pnoelw@yahoo.com](mailto:pnoelw@yahoo.com) ) who is in the Clacton area wishes to downsize:

*Continuing my ongoing downsizing, I have a few good receivers for sale – Icom R8500, Uniden BCT15X and FUNcube Dongle. Details attached. Photos and additional details are available. I'm quite happy to post any item apart from the R8500 which I will deliver within a reasonable distance from Clacton.*

make	model		purchased	date	serial#	accessories+options	condition	asking
Icom	IC-R8500	receiver	new	Jun-01	8796	manual;2x schematics civ reference manual original fused dc power lead usb-serial 19pin connector; ftal chip original box and packaging	vg	775
Icom	SP-20	ext.speaker	new	May-01	10576		vg	g
Icom	AD-55E	power adapter	new	May-01				
Uniden Bearcat	BCT15X	scanner	new ML&S	2011	361Z18001401	usb-front port cable; prolific chip fused dc power lead mounting bracket	vg	125
	ESP12	ext.speaker	new ML&S	2011		mounting bracket	vg	
FUNcube	FCDPro+ v2.0	txco dongle sdr	new ML&S	Nov-14	19172		vg	50
Stridsberg	MCA204	vhf/uhf active multicoupler	new	Dec-01			g	40
Tecsun	PL-360	dsp handheld	new				vg	20



## Play: The First Broadcast

100 years ago, British Broadcasting began, bringing the BBC, radio & mass entertainment to tomorrow's world.

But just a minute - I'm sorry I haven't a clue how it started?

Before BBC boss John Reith had even heard of broadcasting, two Marconi eggheads had very different points of view of how wireless could change life on earth, today. Imagine...

Were these only fools the weakest link? Should they remain strictly pointless ghosts? Or shall we meet the comic relief and doctor who changed this country, all in the line of duty?

Part one-man-play, part 'stand-up history', this amazing true story (would I lie to you?) is based on Paul Kerensa's forthcoming novel 'Auntie and Uncles' and his podcast 'The British Broadcasting Century'.

As a comedian, Paul Kerensa won Take The Mike on ITV (sssh) and was a finalist in the BBC New Comedy Awards (better). Elsewhere on Auntie Beeb, he's co-written Miranda, Top Gear & Not Going Out and regularly presents on BBC Radio Sussex, Surrey and BBC Radio 2 Breakfast Show's Pause for Thought.

But none of these would exist without Arthur and Peter ...

**The FIRST BROADCAST**  
— THE BATTLE FOR THE BEEB IN 1922 —  
A comic historical play  
written and performed by **Paul Kerensa**  
*British Comedy Award-winning writer (Miranda, Not Going Out, TFI Friday)*

**100 years ago...**  
Two rival voices in The Marconi Company unite art and science to create British broadcasting.  
Arthur Burrows seeks to inform and educate. Peter Eckersley wants to entertain.  
But who will give The First Broadcast?

Based on the podcast **The British Broadcasting Century**

**"Ingenious"**  
Evening Standard

**"As effortless a writer as he is a performer"**  
The Stage

Friday 11 November 2022 at 7:30pm  
Tickets £10 from  
01245 354529 (option 2) or <https://bit.ly/3LQgjuZ>  
Christ Church URC, Chelmsford

[www.paulkerensa.com](http://www.paulkerensa.com)

**Tickets Link:** <https://tickets.myknowchurch.co.uk/gb/Njc5Mi01/t>

Copyright – Chelmsford Amateur Radio Society - All contributors acknowledged

Editor: [editor@g0mwt.org.uk](mailto:editor@g0mwt.org.uk)

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