



## Chelmsford Amateur Radio Society Newsletter

### August Meeting

**Tue 6-Aug-2024, 7:30pm**  
**Chelmsford CM2 0DG**

### Summer Social Meal

**By CARs Members**

Following last year's very enjoyable Chinese, this year's summer social meal will be at the 'Se7en Elephants' Indian Restaurant at 10A Baddow Road, Chelmsford CM2 0DG.

So we are 'meeting' for a meal in Chelmsford (no Danbury meeting this month)

if you have paid the £10 advance deposit as requested last month, we look forward to seeing you!



- More Info: [Se7en Elephants](#) website

Meanwhile we hope you are enjoying the summer period, and please do note the various autumn events in this edition including our own Table Top Sale in September

### New Treasurer required

John G4IMS is relinquishing the post of CARs Treasurer, so we are looking for a replacement.

The job of Treasurer is not difficult and keeping the accounts up to date takes little time as PayPal/transfers has made it easier.

Contact John if you are interested, and he will be happy to answer any questions.

**Tuesday 3<sup>rd</sup> September: Essex Table Top Sale at Danbury – see inside**

**See p2 for our New Intermediate Fast-track Course – Sign up for the Autumn!**

### In this Issue:-

Club Diary .....	2
Club Nets .....	2
Training & Morse Classes .....	2
July Meeting: Vintage & Military Radios.....	3
Essex CW Boot Camp.....	4

September 3 <sup>rd</sup> - Essex Table Top Sale .....	5
Events: Hamfest & Convention .....	5
Congratulations.....	6
Free Antenna/Scaffold Poles!.....	6

## Club Diary

Tue 6-Aug-2024	CARS Social – Indian Meal (£10 deposit in advance)	Se7en Elephants, Baddow Road
Tue 3-Sep-2024	CARS Meeting – Essex Table Top Sale	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

If you are interested in these or other opportunities in 2024, please contact **John O'Connell M0JOC** our training coordinator and Exam Secretary. Please also spread the word to potential candidates!

**Autumn Fast-track Intermediate Course:** This is set for Thursday Oct-10, 17 & 24<sup>th</sup> - [Sign up Now!](#)

John can be contacted via [training2024@g0mwt.org.uk](mailto:training2024@g0mwt.org.uk) or 07868-004380

More info and other updates are at: [www.g0mwt.org.uk/training](http://www.g0mwt.org.uk/training) - and the updated RSGB Course Finder

**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/clsfKXXKmINvf>

- "Beginners" class will be starting on Thursday 4th April,
- Other courses available are an "Improvers" class, 10 to 15wpm:
- "Morse Development Group" 15wpm+ : "Advanced" class for the techniques of "Head copying"

- contact Andy via [morse2024@g0mwt.org.uk](mailto:morse2024@g0mwt.org.uk) - or feel free to enquire about the Essex CW Boot Camp

 Follow @TrainWithCARS

## July Meeting: Vintage & Military Radios

For our July meeting, we were privileged to have Iain Moffatt G0OZS from Ipswich, who gave an expert presentation on military radio, including ones you can reuse on amateur HF and VHF bands. Iain also brought quite a few examples from his extensive collection.



Iain gave a history of the generations of post-war military radios, which as transistors and more integration became available, duly became more sophisticated and compact, though maintaining their rugged looks.

One point that came out is they were designed for true novices, so quite a few had nice guides on their labels for setting up antennas and tuning – for squaddies without a Full Licence exam!

Following the talk, the tea and raffle session enabled lots of Q+A and a closer look at the hardware that Iain had brought



Iain has an extensive info on his own website and is a VMARS member:-

- Iain: [www.g0ozs.co.uk](http://www.g0ozs.co.uk)
- VMARS: [www.vmars.org.uk](http://www.vmars.org.uk)

Our thanks for a fantastically detailed and hands-on talk



Iain describing the various radios



Attendees during the break



A.T.U. RANGE AND LOADING					
FREQ MHz	WHIP ANT (MAN)	VERTICAL ANTENNA 7-9 M	5-5 M	WHIP ANT. VEH. 3 M	END-FED RANGE LENGTH METRES
2	A 4	A 6	A 6	A 2	29-0
		B 6	B 6	B 6	26-0
					21-5
					18-5
					16-0
5	B 3	C 9	C 9	C 7	38-0
					32-0
					27-5
					23-0
10	C 4	D 9	D 9	D 8	20-0
					18-5
					15-5
					14-0
20	D 4	D 9	D 9	D 8	12-5
					11-0
					10-0
30	E 8				9-0
					8-25
					8-0
					7-75
					7-25

  

DIPOLE ELEMENTS					
FREQ MHz	LENGTH METRES	FREQ MHz	LENGTH METRES	FREQ MHz	LENGTH METRES
2-0	34-0	6-5	9-5	18-0	3-0
2-2	30-5	7-0	8-75	19-0	2-8
2-4	28-0	7-5	8-0	20-0	2-6
2-6	25-5	8-0	7-5	21-0	2-5
2-8	24-0	9-0	6-75	22-0	2-3
3-0	22-5	10-0	6-0	23-0	2-2
3-3	20-5	11-0	5-4	24-0	2-05
3-6	18-5	12-0	4-9	25-0	1-85
4-0	16-5	13-0	4-4	26-0	1-85
4-5	14-25	14-0	4-1	27-0	1-75
5-0	13-0	15-0	3-8	28-0	1-7
5-5	11-75	16-0	3-5	29-0	1-65
6-0	10-5	17-0	3-25	30-0	1-6

TUNING DATA FOR THE TURF 25-W (UK/VRC 321)															
USE LOWEST SELECT POSITION															
ROD 4X1M															
MHz	1-5	2	3	4	7	10	13	16	16	18	21	24	26	28	30
TUNE	06	28	47	59	79	88	90	95	92	92	93	94	95	93	92
MATCH	17	16	16	16	18	19	24	27	25	24	22	21	21	26	27
SELECT	A	A	A	A	A	A	A	A	C	C	C	C	C	C	B
ROD 3X1M															
MHz	1-6	2	3	4	7	10	13	16	16	19	19	24	29	29	30
TUNE	04	24	45	56	77	86	89	92	91	93	93	94	95	92	92
MATCH	15	16	16	17	18	19	22	24	23	26	23	23	22	27	27
SELECT	A	A	A	A	A	A	A	A	B	B	C	C	C	C	B
DIPOLE METRES IN EACH ARM. DOWNLEAD 20,40,60, METRES															
MHz	1-5	2	2-5	3	4	5	6	7-5	10	12-5	15	18	22-5	26	30
LENGTH	45	34	27	22	16-5	13	10-5	8	6	4-75	4	3	2-25	2	1-5
TUNE	39	52	60	68	77	82	83	86	89	90	91	92	93	94	94
MATCH	26	25	24	23	22	25	22	22	23	23	24	26	25	24	26
SELECT	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
END FED WITH COUNTERPOISE															
MHz	1-5	2	2-5	2-5	4	6	6	10	12	12	15	21	21	25	30
LENGTH	45	34	27	27	17	10	32	20	17	17	14	10	10	8	7-5
TUNE	66	83	90	60	76	80	82	89	90	89	91	94	90	92	92
MATCH	27	19	19	18	25	21	17	19	19	24	19	21	27	29	29
SELECT	A	A	A	B	B	B	D	D	D	C	C	C	C	B	B

Examples of Antenna and Tuning guidance labels on military radios

Why not on amateur ones?!

## Essex CW Boot Camp

The next event in this popular series will be held on Saturday October 26<sup>th</sup>, 2024

Meet your CW friends face to face for a day of CW activities, coffee and cakes!

For more details see <https://essexcw.uk/> or contact Andy Kersey G0IBN



## September 3<sup>rd</sup> - Essex Table Top Sale

Get ready for a great recycling opportunity!

The great Essex Table Top Sale, hosted by CARS, returns to Danbury Village Hall. We will have facilities for sales of small/single items to whole tables.

Amongst other goodies, we have Silent Key radio equipment and a number of tool kits and multimeters for sale that are surplus to current needs.

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, [Paul G4PVM](#).

Free entry, Free raffle, but note that Free Tables must be reserved in advance

Be there or miss out! - Refreshments/raffle too!

All SWLs, Amateurs and Clubs most welcome

See [Last years sale](#) on the CARS Website



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## Events: Hamfest & Convention

After a gap last year, the National Hamfest returns on the 27<sup>th</sup> and 28<sup>th</sup> September at George Stephenson's Hall, Newark Showground NG24 2NY.

This uniquely has both traders and an extensive set of clubs, exhibitors and RSGB stands.

<https://www.nationalhamfest.org.uk/>



Bookings are now also open for the RSGB Convention which will be on October 11-13<sup>th</sup> at its regular venue of Kents Hill Park conference centre near Milton Keynes. (not too far from the NRC at Bletchley)

Options include evening dinners and accommodation, as well as day-tickets  
<http://rsgb.org/convention/>





## Congratulations.....

**To Murray, G6JYB**, who has been honoured as a RSGB Life Vice President for his services as Chair of the Spectrum Forum, a well-deserved award Murray for all his hard work. Announced at the April RSGB AGM, and presented in person whilst at the Friedrichshafen Ham Radio event in late June.



RSGB President John G14BWM presenting Murray with his award

**And to Andy, G0IBN**, a Founder Member of the Essex-CW Amateur Radio Club (ECWARC), who has been made Essex CW's first Honorary President.

Andy was one of the enthusiasts who founded the club in November 2009 and has led by example, assisting many amateurs to learn or enhance their CW skills.

The appointment of a club 'Honorary President' recognises a highly committed individual who has supported and made an exceptional and significant contribution to the club and has pro-actively helped to raise the profile of CW both nationally and internationally.

More at: <https://essexcw.uk/honorary-president-of-essex-cw-arc/>



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## Free Antenna/Scaffold Poles!

Three lengths of 2" diameter are available from Colin Page G0TRM - one 8ft and two 6ft lengths

Contact Colin by email: [colinpage10@btinternet.com](mailto:colinpage10@btinternet.com) - qth Danbury

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