

# CHELMSFORD AMATEUR RADIO SOCIETY

NEWSLETTER No.229

March 1985

## NEXT MEETING

This month we are pleased to welcome W J McClintock, MSc, G3VFK, Executive Vice-President of the Radio Society of Great Britain, who will present a talk on "The activities of R.S.G.B."

His introduction will briefly cover the structure of Headquarters, then he will describe how Council devolves responsibility through Committees, Regional Representatives and Area Representatives also the roll of Volunteer Workers.

Willie is very active in society affairs, as well as being a member of Council he also serves on the Committees for Exhibitions and Rallies, Membership and Representation, VHF, VHF Contests, I.A.R.U. and not least is a member of our own Society!

Willie will be pleased to answer questions.

The meeting begins at 7.30pm, on Tuesday 5th March at the Marconi College, Arbuor Lane, Chelmsford.

## REPORT ON LAST MONTHS MEETING - DICK G3WHR

We were very pleased to welcome Tony Gilbey G4YTG, who came to enlighten us on a new dimension in aerial design. Big - no, Enormous. After a brief recap on propagation, Tony stated that VLF signals required a vertical antenna. Quite simple, until you realise that the wavelength is approximately 50,000ft. With even a quarterwave somewhat impractical the solution was a loaded vertical with capacity hat.

Thus Tony revealed that at Rugby, the series of 820ft masts and 8ft diameter cages joining them, is just the Capacity Hat, approx: 54pf. All the radiation comes from a single vertical section, helped by a 16ft diameter litz wire loading coil and 80 miles of buried earth mat. Tony described some alternative forms of ULF antennas and a number of slides illustrated some rather specialised components, such as a 22ft long insulator to withstand 54 tons force. Our thanks to Tony for his no-maths presentation. A pity that even with TWELVE 820ft masts; there's no aerial gain !

## COMMITTEE MEETING

The next committee meeting will be in the bar of the Marconi College at 7:30pm on Wednesday, 13 March, 1985. Please come and join us for a quiet drink and a chat.

## MEMBERS NEWS

The Society extends a welcome to Tom Avery G4MSB. Congratulations go to Brian G6FLI who has passed the CW and is waiting for his new call and to Geff Cockerill who has his old call again G2AMQ.

## CLUB NET

The club net continues on Tuesday evenings (7:15pm on 611, 145.275MHz).

## JACKPOT RAFFLE

Every time you buy tickets for the regular raffles held at each meeting you automatically get another chance to win the JACKPOT PRIZE which is drawn every few months or so. The last one was drawn at the film night on 8 January, and Les Turner was the lucky raffle patron. He won a book (or books) up to the value of six pounds from the list published in the back of Rad. Com. Keep on buying those monthly raffle tickets!

## RSGB NATIONAL VHF CONVENTION

At the last meeting it was asked if anyone was interested in a mini-bus trip to the VHF Convention at Sandown Park Racecourse on Saturday, 23 March 1985. So far only five people have said "yes" (and four of them were on the Committee). If you are interested then please contact John Donnithorne, GBMKX, at the next meeting or by telephone (Chelmsford 353221 Ext.4390 during the day or Witham 515271 at home).

**DF NEWS - EVENTS CALENDER - DICK G3WHR**

**Local events** - Friday evenings, 7.30 p.m. start. OS map 168.

CHELMSFORD  
12th April  
10th May  
14th June  
19th July  
13th September

COLCHESTER  
29th March  
3rd May  
31st May  
28th June  
2nd August  
30th August  
8th November

20th October Sunday Afternoon joint event, Mid Essex Trophy.

**RSGB Contests** - for details see Rad.Com.

28th April	Oxford
19th May	Chelmsford/Colchester
9th June	Dartford Heath
23rd June	South Manchester
14th July	Mid-Thames
4th August	Salisbury
18th August	Coventry
8th September	Slade
29th September	National Final, Northampton.

73 from your Secretary,  
Ian, G4BYR.

(0279) 441244 (ex.307) (day)  
Harlow 33049 (any other time)

40 Great Leylands,  
Harlow, CM18 6HR.

**WANTED**

Multi-mode transceiver for the 2-meter band. Contact G4ZMQ (QTHR) or telephone either Folkestone (0303)58231 or Chelmsford (0245)420881.