

CHELMSFORD AMATEUR RADIO SOCIETY

NEWSLETTER No.242

April 1986

NEXT MEETING - URBAN TRAFFIC CONTROL

This month we welcome a guest speaker, Brian Edwards, Section Engineer in charge of the Urban Transfer Controller for Essex County Council. This covers the area bounded by Chelmsford, Rayleigh, Southend and Braintree.

The illustrated talk will be followed by a question and answer session, which judging by most motorists reaction to traffic control should be pretty emotive. We look forward to seeing you at 7.30 on Tuesday 1st April at the Marconi College, Arbour Lane, Chelmsford.

RSGB CONVENTION AT NEC

The coach has been booked for Saturday 5th April, to leave the Writtle Duck Pond sharp at 8.00am, or for those who live east of Chelmsford, Boon's Coach Depot, Boreham, at 7.30am.

We still have at least ten spare seats on the coach, open to anyone who wants to join us. Names please to the Secretary, Andrew G4KQE, with a deposit of £1-00 per head at the next meeting or reserve a seat by phone (0376-83094). The balance of the cost will be collected by Brian G0BDS on the coach.

This time, it's intended to make non-stop journeys there and back, as not everyone wants the delay involved with stopping for refreshments. A "comfort stop" will be available, however! As the rendezvous point will be Writtle village green, those who wish to socialise can migrate to the "Rose and Crown" to round off the day.

VISIT TO ARROW ELECTRONICS LIMITED

On the evening of Friday 21st February, thirty members assembled at Hatfield Peveral for a most enjoyable survey of many of the latest "goodies". We extend our thanks to Peter and his staff for their Hospitality.

CONSTRUCTORS' COMPETITION

It's time to put the finishing touches to that homebrew project that you've been working on over the winter. The annual Constructors' Competition is approaching, are you ready?

DATES FOR YOUR DIARY

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|----------|------------------------------|
| 1 Apr. | - Urban Traffic Control. |
| 5/6 Apr. | - RSGB Exhibition at NEC. |
| 3 June | - Constructors' Competition. |
| 7/8 June | - HF National Field Day. |
| 12 July | - Special Event Station. |

NEW MEMBER

The Society extends a welcome to Dave Drizen, G8UUO.

LAST MEETING - MOBILE RADIO - John G8MKX.

Last month Peter Gill, Technical Manager, Marconi Mobile Radio Division gave us a thorough view of mobile radio.

In the early days (remember the Pye Ranger with those funny glass objects with fires inside!) mobile radio was used by the emergency services, security companies and taxi firms. As mobile radio grew, the base stations were moved to hill-top sites to provide a greater range and the controller communicated via GPO leased land-lines.

Present systems can use selective calling tones to contact a particular mobile and select the base station which provides the best signal. The mobile radio telephone spectrum is quite cramped, in fact you cannot obtain a licence in London.

A fairly recent innovation has been the Radiophone, (usually in a Rolls-Royce or similar type of car due to the cost) capable of working into the GPO phone network.

In the beginning these Radiophones had to be routed via an operator but about 5 years ago System 4 was launched which gave STD dialing to anywhere in the world. Only one problem, this system only covers the more densely populated parts of U.K.

The latest mobile communication system is cellular radio which was put forward by Bell Laboratories of the U.S.A. In the U.K. this system operates at 900MHz. In London the cells are 1 to 2km across but can be any size depending upon the number of people requiring the service. Each cell has a base station and by measuring the Signal-to-Noise ratio of the Supervisory Audio Tone, the best base station to communicate through can be selected. The mobiles are quite intelligent, the base station can transmit a signal to a specific mobile and turn its output power down.

Typical costs are £70 per month rental and 20p per minute, and there is a tremendous demand for the service.

Band III television in the U.K. has now ceased and mobile radio has been allocated part of the spectrum. Network operating companies will tender for contracts in this band. A user would hire a mobile from his local dealer and using a process called Dynamic channel allocation would have his own "private" channel for each call but this could be any channel as no-one is allocated a specific channel.

In the 1990's a Pan European digital speech system is envisaged where a customer would be able to use his mobile anywhere in Europe, other systems under consideration are TDMA satellite systems and communication at 60GHz!

Some members "tested" the equipment which Peter had brought along by making phone calls home.

Peter's lecture brought us right up to date and showed what a vast industry mobile radio is.

DF NEWS - Dick G3WHR

Its BST this weekend, time to start the 1986 Top Band DF season. A number of LOCAL EVENTS have been arranged for Chelmsford and Colchester members. These take place on FRIDAY EVENINGS, and anyone is welcome to join in. If you haven't a DF Set you can still take part, just turn up at the start and we will arrange for you to join a team. Please wear old clothes and bring a torch.

Local events - Friday evenings, 7.30pm start OS map 168.

CHELMSFORD	COLCHESTER	RSGB National Qualifying Events	
18 April	4 April	27 April	OXFORD
9 May	2 May	18 May	CHELMSFORD/COLCHESTER
20 June	30 May	15 June	NORTHAMPTON
18 July	4 July	29 June	DARTFORD HEATH
12 September	8 August	13 July	SOUTH MANCHESTER
	29 August	3 August	MID-THAMES
	7 November	17 August	COVENTRY
		7 September	SLADE
19 October	MID-ESSEX TROPHY	21 September	SALISBURY (FINAL)

Chelmsford events start from Tiptree Heath NGR 884148
Colchester events start from Fordham Heath NGR 945264
RSGB National Qualifying Events, for details of Start - see Radcom.

RSGB HF NATIONAL FIELD DAY

The preliminary meeting of the NFD working party was held on 11th March, hospitality provided by Gwyn G4FKH. Some important decisions were made, e.g. the site at Howletts Hall Farm, so successful in past years will be used again and the call sign this year will be G4CUT, by kind permission of Les.

A new feature is a morse practice net for NFD which will take place on Tuesday 8th April at 8.30 BST on 28.050 MHz, organised by Gwyn G4FKH.

SPECIAL EVENT STATION

The Society have been approached by the North Springfield Community Association to provide an Amateur Radio display for their Summer Fete at Nabbotts Farm School on 12th July.

We have given a favourable reply and are arranging a special event call-sign. This is our annual opportunity to show Amateur Radio in action and we hope some members will lend support on the day.

COMMITTEE MEETING

The April Committee Meeting will be held in the Marconi College Residence at 7:30pm on Wednesday, 9th April. We assemble in the bar beforehand and then retire to a little room out back, so as not to disturb the residents too much. You are most welcome to join us for the meeting or just to have a quiet rag-chew over a drink.

MEMBERSHIP LIST - March 1986

RON AGER	G2AGY	IAN FORSTER	G6BFG	MALCOLM NIXON	G6ADP
CARL BAIER	G1HVQ	PETER FRANKLIN	G1FOA	GERRY PARISH	G4WML
PETER BELL	G0DIT	JOHN GILLIVER	G6JPG	BILL PECHEY	G4CUE
JOHN BOWEN	G8DET	P.GREEN	G1PBG	DOREEN PECHEY	G8NMO
DICK BROCKS	G3WHR	JOHN GREENWOOD	G3KRZ	MAX PEMBERTON	G4ZMQ
R.BROWN	G1NLZ	ALBERT HILL	G0AEH	S.REEVE	G1HME
HOWARD BUCKENHAM	G3PGN	ERIC LAWLEY	G8ADX	BERNARD REICHMAN	G6RM
RON BURG	G8WSC	DEREK LEVER	G1NKP	MARK ROBERTSON	G6CMS
ARTHUR BUTCHER	G3KPJ	P.MARTIN	G8ZXW	BRIAN SCROGGS	G0BDS
IAN BUTSON	G4HKC	ELA MARTYR	G6HKM	PETER SHAW	G6TFB
PAUL CLARKE	G0BTH	ROY MARTYR	G3PMX	ANDREW SLATER	G0BDN
BOB CLOKE	G1EXU	IAN MASLEN	G4BYR	DAVE STEWARD	G4OLU
GEORGE CUTTING	G3GNQ	ANDREW MEAD	G4KQE	PAUL TITTENSOR	G4PVM
F.COCKERILL	G2AMQ	DAPHNE MEAD	G8WQZ	HENRY THOMAS	G1PNS
GEORGE COOTE	G1IPU	WILLIE McCLINTOCK	G3VPK	BRIAN THWAITES	G3CVI
BILL COLE	G4JUW	ERIC McPHERSON	G4WMT	LES TURNER	G4CUT
KEN DANIELS	G6WHY	CLIVE MILDENHALL	G6MQE	D.WATSON	G6FLZ
KEN DEWS	G3PMW	GEOFF MILLS	G3EDM	JAMES WATT	G6ZC
JOHN DONNITHORNE	G8MKX	J.MILLER	G1OBM	PETER WEST	G4ADG
TIM DREW	G6FBF	LEN MITCHELL	G6SEW	GWYN WILLIAMS	G4FKH
DAVE DRIZEN	G8UUO	WILL MOSLEY	SWL	SIR.G.WORTHINGTON	G4CNB
JOHN FELLOWS	G3YRZ	PETER NEAVE	G4DAN	ARTHUR WREFORD	G3EHZ
MARTIN FINAL	G4TOD	N.NIMAN	G6JYB		

73 from Roy & Ela, G3PMX & G6HKM
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CHELMSFORD AMATEUR RADIO SOCIETY

COMMUNICATION AID FOR COMMITTEE MEMBERS 1985/86

President	Roy Martyr	G3PMX	1, High Houses, Mashbury Road, Great Waltham, Chelmsford, CM3 1EL.	(0245) 360545 (0245) 353221 Ex. 3815
Vice-President	Les Turner	G4CUT	59, Harewood Road, Chelmsford, CM1 3DH.	(0245) 266993 (0245) 353221 Ex. 3812
Vice-President	John Greenwood	G3KRZ	242, Ben Johnson House, Barbican, London, EC2Y 8DC.	(01) 588 2009 (01) 357 4248
Chairman	Dick Brocks	G3WHR	30, Rowan Drive, Heybridge, Maldon, CM9 7BW.	(0621) 55707 (0245) 353221 Ex. 3086
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	John Donnithorne	G8MKX	11, Oak Fall, Witham, CM8 2LF.	(0376) 515271 (0245) 353221 Ex. 4390
	Brian Scroggs	G0BDS	25, Sharpington Close, Galleywood, Chelmsford, CM2 8YH.	(0245) 74892 (0245) 352232 Ex. 223
	Brian Thwaites	G3CVI	118, Baddow Hall Crescent, Great Baddow, Chelmsford, CM2 7BU.	(0245) 71919
	Gwyn Williams	G4FKH	21, Borda Close, Chelmsford, CM1 4JY.	(0245) 260831 (0784) 62250