

July 1983.

Next Meeting.

At the next meeting you have the chance to show us your constructional talents and perhaps win a prize for your efforts at the Annual Constructors Competition. Entries are to be home built and associated with amateur radio. Entrants will be required to give a short talk about the equipment, its design, construction and use, and of course pass on any useful hints to other members concerning construction. Generous prizes of £7 for 1st place, £5 for 2nd and £3 for 3rd will be awarded. The meeting will be held at the Marconi College, Arbour Lane at 7.30 p.m. on Tuesday July 5th.

Committee Meeting. Wednesday 13th July 7.30 p.m. Sportsmans Arms, Hatfield Peverel.

Meetings to come.

August 2nd	'The RSGB' by John Nelson, G4FRX.
Sept. 6th	Slow Scan TV (Provisional)
Oct. 4th	Annual General Meeting.

Report on last months meeting.

Richard Limebear G3RWL kindly came all the way from Enfield to give a lecture about the amateur satellite service. He brought with him a full size model of one of the satellites together with a globe and various maps and charts to show the tracking of the satellites. He explained the basic principals of operation and went on to describe the different ways of using the satellites. He explained that you do not need complex equipment or aerials to use the satellites, but you must be wary of the doppler shift and not accuse the other station of drifting ! The slides that Richard brought with him showed some close detail of the insides of the satellites under construction, including the new phase III satellite which was successfully launched only a few days ago. This lecture proved to be very popular and Richard was greeted with a large audience.

Members News - Ela G6HKM.

The Society extends a welcome to Steve Turner G3UJI and congratulates Martin Final on his call G4T00. Our best wishes go to Virginia Brackenbury (SWL) and her family who set off early this month on their trip around the world in their 48' yacht 'Kiwa', the trip is expected to last about 2½ years, good luck to 'Kiwa' and all who sail in her.

Tea Rota.

We are afraid that we are still short of volunteers to help with making the tea at meetings. For that reason the committee has agreed that if any members wife, family or friends would be prepared to help they will pay them £5 (per meeting) for their services. If you think you know anybody who would like to help, I will be pleased to hear from you, and of course driving lessons for the urn will be given.

Raffle.

This month we will be drawing the 'jackpot' raffle in addition to the usual raffle. The winner will be allowed to choose any book from the RSGB list up to the value of £10, which will be bought by the club and presented as soon as possible

D.F.News - Dick G3WHR.

Sunday 8th May was the occasion when certain members of Chelmsford or Colchester clubs were given the opportunity to show just how sly, cunning, sneaky and conniving they could be ; - yes, our RSGB DF qualifying event. The start was a roadside layby near Halstead; i.e. the top left corner of OS map 168, thus giving maximum freedom of action. There were two hidden transmitters, G3KPJ/P near Maldon and G4HKC/P by the river Colne at Alresford. The majority of competitors opted to go south to where Arthur was concealed on the disused railway track which circles Maldon. A long antenna was arranged to give a confusing radiation pattern. At one point the antenna passed under the Maldon-Woodham Walter road, and for the most part it ran parallel to a high voltage pylon line. Ian Butson had chosen a site on the northern bank of the Colne, which caused considerable frustration to those who had chosen to explore the southern bank. A further 'watery' hazard was Alresford creek, which guarded the eastern approach; however, since the event coincided with low water, one team risked their footwear in the ooze.

Fifty-two ravenous, dehydrated DF hunters posed no problems for the owners of the Prince of Wales, Public House, Great Totham, who produced a sumptuous tea.

### Results.

	Competitor	Club	Tx A	Tx B		Competitor	Club.	Tx A	Tx B
	1 M.Hawkins	Chelmsford	1549	1426	12	B.Poole	Mid-Thames	1626	1438
	2 W.North	Mid-Thames	1459	1602	13	M.Easterbrook	Dartford Heath	1523	1628
Q	3 P.Tyler	Mid-Thames	1430	1603	14	D.Pechey	Mid-Thames	1504	-
Q	4 D.Newman	Slade	1502	1606	15	G.Wenham	Coventry	1516	-
	5 P.Lisle	Mid-Thames	1500	1609	16	C.Merry	Dartford Heath	-	1517½
	6 T.Gage	Mid-Thames	1459½	1616	17	P.Crammer	Colchester	-	1520
	7= C.Plummer	Mid-Thames	1618	1517	18	R.Emery	Colchester	1536	-
	A.Judd	Oxford	1500½	1618	19	G.Wells	Mid-Thames	1544	-
	9 B.Bristow	Mid-Thames	1618½	1509	20	P.Larbalestier	Colchester	1555	-
	10 P.Clark	Chelmsford	1619	1504	21	P.McNeil	Colchester	1617	-
	11. A.Williams.	Braintree	1621	1453	22	F.Pearson	Colchester	-	-

Q = Qualify for National Final.

### Friday Events.

15th July Chelmsford. Start - Tiptree Heath.  
5th Aug. Colchester, Start - Fordham Heath.

### NFD '83 - Dick G3WHR.

During the weekend 4-5th June, the club operated a field day station from Howletts Farm at Blackmore. The logistics of entering NFD or a similar contest are fairly daunting, but are considerably eased by maintaining continuity from year to year. Clearly there has to be some organisation, but this is kept to a minimum. There were only two pre-NFD meetings, on successive nights, to arrange operator schedules and agree the supply and transportation of equipment. The contest rules prohibited preparations on-site more than 24 hours before the 1700 GMT start, so work commenced at 10 am on sat. morning. The club entered the 'open' section, which permits any number of antennas to a max. height of 65ft. Consequently, there was quite an antenna farm; 3 element triband beam; dipoles for 80m, 40m and 20m and a 300ft long wire. The hard work by John G3KRZ and Andrew G4KQE on refurbishing the club telomast was rewarded by having the beam and mast erected in record time. Arthur G3KPJ used his bow to provide sky hooks for the dipoles and the long wire. All the promised equipment arrived, thereby allowing the station to be set up and tested by 1600 !! The catering dept. provided hot and cold drinks, in personalised cups, and a supply of food. This was supplemented by Ela G6HKM, who provided a quantity of raison buns. The food supply was sufficient to provide cake for visitors at tea time on Sunday, but no raison buns, the operators had apparently suffered from night starvation ! One missing feature was our usual fly-past by the RAF. To avoid disappointing aviation enthusiasts, the organisers laid on a substitute fly-past by NASA of the space shuttle Enterprise.

### Results.

	1.8	3.5	7.0	14	21	28	Total points.	Total QSO.
1982	304	299	620	202	193	0	1618	402
1983	316	328	448	197	316	22	1627	403

Still no need for a display case - but an improvement over the 1982 figures. One small disappointment, I didn't see many visitors this year. Finally, my thanks to those who loaned their gear, their intellect, or their brawn, we couldn't have done it without you. See you, on-site, 10 am 2nd June 1984 AR VA.. This scribe now has writers cramp, partly as a result of producing screed for the newsletter, but mainly as a consequence of copying 400 + QSO's to produce our NFD logsheets.

73,  
Andrew.

Witham 512316 (Day)  
Silver End 83094 (any other time)  
or GB3DA.

9, Abraham Drive,  
Silver End, Witham.

FOR SALE. 2m: IC202S (SSB) £100, 2200GX (FM) £70, MM 25W linear £30. 70 cm; Westminster + magmount 5dB ant. £90. Rx's: FRG7 £140, Bearcat £180. Antennas: 2m 5 el £5, 8XY crossed Yagi £20, 70 cm long Yagi £10. Rotator + bearing £35, wall-brackets £5. 20 ft pole £10, Cables UR67 various 'Dopplescant' mobile 2m DF equipment £offers ? Barry West, G8NMP, 54, Torquay Rd, Springfield, Chelmsford Tel. 58368 (home)

TO BORROW. 1st Edition of "Ham Radio Today" magazine. Will collect and return. Clive G6MQE. Telephone Chelmsford (0245) 67945.