



# Chelmsford Amateur Radio Society

Established 1936

Affiliated to the RSGB

President: Harry Heap G5HF

Secretary: Martyn Medcalf G1EFL

Club Call Sign: G0MWT

Chairman: John Bowen G8DET

Treasurer: Brian Thwaites G3CVI

Newsletter No 487

Web Address: [www.g0mwt.org.uk](http://www.g0mwt.org.uk)

September 2006

## This Month's Meeting - Tuesday, 5th September. 7.30pm at the MASC. Alex Kearns, M3LSZ, Editor of RadCom

We have had a number of RSGB personnel come to CARS from time to time over the past years. This year we are fortunate to have the "new" Editor of RadCom, Alex Kearns, M3LSZ. who took up the editorship of RadCom just over a year ago. He had previously been editor of European Semiconductor Magazine and before that had written for EN The Magazine for Entrepreneurs.

In the last year he has introduced a number of significant changes to the magazine. In this talk, Alex will provide a brief history of RadCom from its early days as the Bulletin, speak about some of the personalities that have been involved in the magazine and finally outline his vision for moving RadCom forward.

Alex says "Amateur radio is arguably at a turning point with new technology, notably software defined radio, set to change the hobby forever. As editor, my job is to ensure that RadCom keeps up with these pioneering changes whilst ensuring that we don't neglect amateur radio's rich and varied history."

Make sure you attend what promises to be an informative and thought provoking talk. Perhaps ask him that question, you normally only ever "ask" at the CARS Break time (over a drink).

### Dates for Your Diary

September	Netcontrollers: Denis, M0FHA and Ron, M3CAM
Sat/Sun Sept 2/3	IARU Region 1 SSB Field Contest
Sat/Sun Sept 2/3	144MHz Trophy Contest
Sat/Sun Sept 2/3	JARL All Asian DX/SSB Contest
Wed Sept 13 <sup>th</sup>	CARS Committee Meeting - Danbury Village Hall at 7.30pm - All invited.
Sat/Sun Sept 23/24	CQ WW DX RTTY Contest
Tues Oct 3 <sup>rd</sup>	CARS AGM, Award Presentations & 70th Year Celebration - Trevor M5AKA

## Sandford Mill: Science & Discovery Day – 24<sup>th</sup> September 2006

The Science & Industry Museum is open to the public for this challenging day from 10am to 5pm. It is FREE entrance & parking. CARS will have a full station running. The Friends of the Museum will ensure there are "Things to press, poke, step on and even look at". All ages are catered for. There will be refreshments available.

CARS require YOU to attend to Operate, Log or simply Host. There is plenty to amuse your partner/family while you are "on station". See Brian at the September Meeting or contact him at: [g3cv@g0mwt.org.uk](mailto:g3cv@g0mwt.org.uk) or Phone 01245-471919.

Our grateful thanks to Denis, M0FHA and Joy for posting this Newsletter. Could it have gone by E-Mail?

Please keep our Membership Secretary, informed of any changes to your callsign or E-Mail addresses, etc.

For further details contact our Programme Secretary: Martyn M3VAM on 01245-469008 or look on the CARS Web Site.

Club Nets: Tuesdays 8-30pm: (2nd) 145.375 : (3rd) 1.947 : (4th) 1.947 : (5th) 145.375. All +/- QRM.

## **Annual Table Top Sale**

### **Organised by Colin, G0TRM**

At this year's Tabletop sale approaching a hundred members and visitors enjoyed viewing, and in some cases buying a whole range of new and not so new electronic and other radio related items. We had visitors from far afield, some travelling a good distance to attend. A few faces present on the night had also been seen at the Colchester Rally a day or two before.

As usual, the event was widely advertised both in the local press and on local radio. Readers of Radcom, PW, SWM and other radio magazines had all the necessary information clearly displayed. Several leaflets were also produced for display in local libraries, bookshops and public notice boards.

Many thanks to the large number of Club Members who came along to sell or to buy or maybe to chat, contributing to a great atmosphere. Thanks too, to those who donated for sale, some very fine items to be sold for Club funds.

Thanks also to Geoff G7KLV for his part in raising a good sum by selling, in quantity, many items given freely by Fred, G2HNF. Thank you Fred.

CARS Minute Secretary Jim, 2E0JPS also made an excellent contribution by selling a number of donated items of equipment. Event Secretary Martyn, G1EFL was pleased with the success he obtained selling the Club-related merchandise. Our thanks to Steve, G4ZUL for organising as a solo effort, the excellent raffle, with the results boosting the Club coffers.

Once again, the evening, both socially and financially was deemed a success. Finally, my thanks to all who played any part in helping to make it a very worthwhile event. My thanks to all who contributed to the evening.

### **Colin G0TRM**

*Editorial Comment:* A number of Members have said how much they enjoyed the Social aspects of the Table Top Meeting (besides spending money!). Thanks also to David Barber, G8OQW for bringing along his FT9000. We will run the Table Top Sale again next year – wait for our 2007 Programme!

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## **Amateur of the Year Award**

Three names have been submitted to Carl, G3PEM who will produce Voting Forms which will be issued at the September Meeting. The highest marks will result in that person being presented with the Award at the October AGM.

## **Sunday Afternoons at Sandford Mill**

On August 6<sup>th</sup> CARS provided our "usual" Radio Tx station at the Chelmsford Museum of Industrial Archaeology. Around 200 visitors were counted of whom about 50 came into the Marconi hut. From 1400 till 1700 BST we had the satisfaction of considerable interest in the radio station operating under our club call, GX0MWT.

The band conditions were diabolical, with a general noise on all HF bands of 9+20 or worse. Some of it had a manmade component that compounded the problem. The 40m band was unusable and 80m only opened after 1440 hrs when the signals gradually overcame the noise. The operators then worked 25 QSOs, all UK except one which was a dodgy ON.

Thanks for the effort and kind help especially to those folk behind the scenes who are so necessary to the success of such an event, which was repeated two weeks later on Sunday Aug-20<sup>th</sup>

### **73 de Brian G3CVI**

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## **VoIP - Skype by Brian, G3CVI.**

I had a CD with Skype on it so I installed and registered it as required and an immediate update appeared with the latest version. The available attributes are all the standard features found on a normal telephone except 1471, which I have not discovered yet. The operating page is self-explanatory. Both the audio quality and picture are good as the webcam can deliver, although rapid movement shows a blur. One can send files, but I have yet to try.

You do not have a phone number (yet) but a simple identity title as you wish. You need to type in your complete name for registration and construction of an optional personal data pane. Apparently both ends are encrypted...whatever that implies.

The calling and closing and other usual tones are variable to suit one's own taste, as are the gain levels of the mike and headphones. I had no difficulty in setting up the system via the usual tools and options panes. Just as in Outlook Express one compiles a list of addresses with the "names" so you just click to highlight the required one and click on the green 'phone button to start the call...to close you click on the red one and you have "rung off". To get the original program, go to Google, enter "Skype" and sit back. The only cost is your electric bill and your broadband fee of course.

**Happy Skyping!!!!!! de Brian G3CVI**

## Plan "Flypaper"

CARS President, Harry, G5HF has passed on the following SECRET DOCUMENTS which have just been released by Government Censors via Box 25 and Bob King, G3ASE.

One of the Chelmsford Clubs founder members, G5RV R. Louis Varney, was one of a select number of Amateurs permitted to operate during the WW II.

In 1945 two unusual operations were carried out. The callsigns G7FA to G7FJ, (previously unused), were officially allocated to well known radio amateurs. These included G5KJ (K.Morton Evans), G6GL (G.R.Lee), G5SR (S.Riesen), G8LT (R.W.Addie) and G5RV (R.L.Varney). Operating under strict restrictions from 8/10/1944 this "Plan Flypaper" was intended to trail a coat in front of the Germans in the radio amateur field. The war was nearing its close and it was thought that some useful information might arise. Although many foreign amateur stations were contacted (including of course all the other G7s!) up to the closedown of Plan Flypaper on 10/6/1945 nothing useful came of it. Strangely enough in addition to making contact with several neutral countries a number of amateur German callsign stations were 'worked', but whether these were authentic has not been established.

The second more serious purpose lay in the "Wilton Scheme" which operated briefly from March to 24 May 1945. It was feared that the Nazis might use our prisoners of war as hostages and so if we were able to make radio contact with the prisoners it would enable us to get information about any ill treatment that might develop. In various POW camps radio amateurs and other radio engineers had constructed effective receivers and in some cases transmitters (the latter to be used only in a grave emergency). They had thus been kept informed of morale boosting events and news in general. Perhaps fortunately no radio contact was made by the total of 8 G7s who took part.

*Memo from Lt Col Morton Evans:*

The frequencies which are permitted by the W/T Board are as follows:-  
3.5-4.0, 7.0-7.3, 14.0-14.4 & 28.0-30.0 Mc/s.

The call-signs permitted for this plan, with details of those already allotted are as follows:-

G7FA - Lt-Col.K.Morton Evans, R.Sigs.  
G7FB - G.R.Lee,  
G7FC - S. Riesen,  
G7FD - A.S. McNicol, (Scotland )  
G7FF - W.J. Burton,  
G7FG - H.W. Stacy,  
G7FH - A.C. Simons,  
G7FI - Captain R.W. Addie,  
G7FJ - Captain R.L. Varney,  
G5FJ/K/L & M, Not allocated

## RULES FOR OPERATING PLAN FLYPAPER

1. Ordinary amateur procedure will be used with a few exceptions noted below.
2. Each station must stick to its allotted callsign.
3. The frequencies used must be those agreed by the W/T Board, as given on the attached sheet.
4. Power not to exceed 50 watts..
5. So far as possible stations in densely populated areas should be avoided so as to minimise complaints from the public and in all cases steps must be taken to reduce key clicks.
6. CO de G7F- calls will be used. The word "TEST" will not be used.
7. There will be no time restriction, but the operators taking part will obviously have to make arrangements between themselves and through a central control. In particular it is intended to have a round table G contact on Sunday at 11 a.m. (BST). Whichever operator is acting as control will call CQG de G7F- and will make contact with each other operator in turn and then put all stations in contact with one another successively.
8. No German amateur will ever be called but if a German amateur calls one of the network, he will be answered. Contact with enemy stations should be kept as possible consistent with the use of ham chat. In particular such expressions as "dear O.B.", and "73's" should be avoided; also such phrases as "tks for the FB QSO". It must be remembered that our network admits that it is officially controlled (see below) and as such is bound to be subject to regulations and monitoring.
9. In the event of anyone asking for QRA, only the county shall be given as a reply.
10. There must be no third party traffic and no personal messages which can possibly give the indication of the identity, occupation or address of the sender, nor even any expression which could confirm the county as permitted to be given in paragraph 9. Operators should endeavour to avoid mannerisms which might enable listeners to identify them as pre-war amateurs.
11. In the event of an operator asking for a QSL the reply to be given is "Sorry cannot QSL".
12. In the event of any station asking one of our group whether his station is licensed (or any similar phrase), the reply to be made is "Here O.K. official station". The word licensed is not to be used in this connection.
13. No "handles", i.e. personal names or nicknames are to be used.

14. Stations must close down if requested by any service or authorised station. It must be appreciated that the activity of this group is absolutely the last radio priority on the air.
15. The subject of the weather is completely banned. If one of the group is asked about the weather he must reply "not allowed".
16. There must be no reference to enemy action, such as bombs, bomb damage, planes, air-raid warnings or the like, either directly or indirectly. Equally there must be no reference to the passage of allied planes, troops or convoy movements etc. In fact, the full principles of Signal Security must not be lost sight of.
17. The traffic between stations can include discussions on radio conditions, equipment, aerials and the usual chat of this kind. If any of the stations are using special service equipment they must devise a notional set to describe, if questioned.
18. In discussing radio conditions, no reference whatever must be made to the conditions for receiving any stations other than those of known amateurs.
19. A log must be kept showing the date, time, frequency and callsign of any station called whether contact is made or not. It is not necessary when working within the group to keep a log of the actual traffic passed, but anything unusual should be noted in case a private or foreign station comes up using one of our allotted call-signs.
20. In the event of a station coming up using a G callsign, even one of the G7 series, the station is to be worked and no comment made. The station might well be in enemy territory and using a G callsign as camouflage. The incident is to be reported as soon as possible by telephone to the control as explained in paragraph 23.
21. In general the reply to any question over the air or otherwise as to the nature of our stations is to be to the effect that "this is an official station permitted to use amateur calls and procedure. It is operating for practice purposes.
22. No R/T will be used in any circumstances.
23. In the event of any enemy station calling one of our group and offering a message to a third party or a Government department; the message should be accepted and acknowledged and the enemy station should be instructed to come on the air at the same time next day or as convenient but not within 24 hours.

The information should be passed to the officer controlling the group at the usual telephone number or if at night-time to the Duty Officer. It will facilitate

quick recognition if it is explained that the telephone call concerns "Plan Flypaper".

A log of the contact including the message should be sent at the earliest moment to the group control.

Summaries of the logs giving times, dates and frequencies of all contacts should be posted early each week to the group control.

### **Secret**

## **PLAN FLYPAPER**

(R. S. S. Representatives).

It is proposed to discontinue the "round table", contact on 7 Mc/s on Sunday mornings as conditions are not satisfactory, and now that nearly all stations are active, a lot of time may be wasted. You are, however, urged to operate on Sunday mornings and attempt to work as many British stations as possible.

It is also thought that the 3.5 megacycle band may really be more important for the main purposes of the plan, since European signals can often be well received in the nights. Therefore, all members are urged to use this band as much as possible. It is proposed that 1800 GMT should be regarded as a favourable time for G stations, as well as later in the evening, and on Sunday's efforts should be made to have Inter-G contacts on this band at 1800 GMT. It is thought that the best frequency range is between 3570 and 3600, but there is no reason why you should not go above 3.6 if this should become necessary. At a later date a CQ G series may be attempted on this band.

One other point has arisen, which is the question of making QRXs with D stations. Under your instructions you are forbidden to call German stations, and this morally rules out making a QRX. It is thought, therefore that you should avoid making appointments with D stations unless there are apparently exceptional reasons and a report should then be sent in as soon as possible. This does not necessarily apply to other enemy controlled stations such as Has.

For your guidance, CT1AX is known to be in Germany and it seems probably that C3TIAZ is also a German station. You should of course, behave when working these stations as if they were genuine Portuguese, but it is well to bear in mind that some funny games may be going on.

Although so far the hoped for reaction has not taken place, in that no one wishing to communicate with the British Government has used you, it is felt that the scheme should be continued for an indefinite time. You should bear in mind, however, that unless careful listening is done, it will be difficult for such stations to get hold of you and they may also be somewhat

detected if they only hear you working a string of genuine German stations.

It remains to thank you for your continued efforts in this plan and to apologise for the fact that you do not get a great deal of guidance from this Headquarters. However, each member has shown such initiative and determination to maintain a high standard of security and operating that the present arrangements seen to be quite adequate.

*Editorial Comment. Many thanks to Harry for bringing it to our attention. Having read the above, it seems that the Rules were so restrictive I am not surprised the whole thing was a bit of a flop, killed with Government bureaucracy. Would CARS Members like to comment on the above, please, as the German Authorities had a more enlightened approach and allowed their Amateurs to operate during WW II.*

## September Contests - Steve G4ZUL

### IARU Region 1 SSB Field Day

2/3 September,  
Start:13:00 Finish:13:00 UTC, 24hrs  
Bands: 3.5, 7, 14, 21, 28MHz.  
Exchange: RS + Serial number  
Sections: Open – 400 Watts, Restricted – 100W.  
Full rules & info from <http://www.rsgbhfcc.org>

### 144 MHz Trophy Contest

2/3 September.  
Starts:14:00 Finishes:14:00 UTC. 24hrs.  
Sections: SF, SO, M, 6S, 6O. (Special rules IARU Co-ordinated Stp://w7)  
Full rules from <http://www.vhfcc.org/>

### JARL All Asian DX / SSB

2/3 September, 24hrs  
Bands: 3.5, 7, 14, 21, 28MHz.  
Exchange: RS + Age.  
Full details from <http://www.jarl.or.jp>

### CQ WW DX - RTTY

23/24 September, 48hrs  
Bands: 3.5, 7, 14, 21, 28MHz.  
Exchange: RST + CQ Zone.  
Categories: Single operator (single band & all band)  
Multi operator (single TX, Two TX, multi TX)  
QSO Points: own country 1 point, own continent 2 points, different continent 3 points.

#### Multipliers:

US States & VE areas 1 point, CQ Zones 1 Point  
Final score: QSO points x Multipliers.  
Full details from <http://www.cq-amateur-radio.com>

HF contests are listed in January Radcom, p33.

For further information please email Steve G4ZUL - [contests2006@g0mwt.org.uk](mailto:contests2006@g0mwt.org.uk)

Tip-1:- Enter 'sm3cer' into Google, and look on his website - it is very comprehensive.

Tip-2:- The RSGB prefer Electronic Logs to help them with the tremendous task of checking so much data. These should be in the CABRILLO format.

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## CARS Advanced Course

The next Advanced Course, run by the Chelmsford Amateur Radio Society (CARS), starts on Thursday August 31st and will be held in Danbury Village Hall. Bookings for the course are currently being taken and those interested should contact the course organiser Clive Ward G1EUC. Tel: 01245-224577  
Mob: 07860-418835. E-mail: [training2006@g0mwt.org.uk](mailto:training2006@g0mwt.org.uk)

Note: You need to have passed the Intermediate exam before you do the Advanced.

Further details see: <http://www.g0mwt.org.uk/training>

### 73 Trevor M5AKA

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## ISS SlowScan TV Received

CARS member David Worboys M0ZLB has received two Slow Scan TV pictures transmitted from the new Spacecam-1 downlink on 2m from the International Space Station, using Robot 36 format. Well done !

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## Baddow Radar Tower

The BBC have a Poll on their website for UK's Greatest Unsung Landmarks and a major Radio landmark features among them, the Chain Home Radar Tower at Great Baddow, nominated by Ian Beeby a former Marconi Baddow Apprentice. The Rugby Masts are also on the voting tab.

<http://news.bbc.co.uk/1/hi/magazine/4791577.stm>

Visit the website and give Great Baddow your vote!

### 73 Trevor M5AKA

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**Contributions are always appreciated for the Newsletter. Cut-off date for the September N/L is Friday, 15<sup>th</sup> September.**