



Chelmsford Amateur Radio Society

Established 1936

Affiliated to the RSGB Club Call Sign: G0MWT
President: Harry Heap G5HF Chairman: John Bowen G8DET
Treasurer: Brian Thwaites G3CVI Vice Chairman Martyn Medcalf G1EFL



Newsletter No 524, E-Mail

Web Address: www.g0mwt.org.uk

November 2009

This Month's Meeting – Tuesday, 3rd November 7.30pm at the Marconi Club.

"The Flex-5000A and PowerSDR"

By Gwyn Williams, G4FKH.

The presentation this month is by Gwyn, G4FKH and is all about the Flex-5000A.

This is a Digital Transceiver controlled entirely by computer.

It is the most sophisticated SDR available and the most expensive rig we have seen in MASC for a very long time, if ever!

Gwyn is bringing his complete Station to show us and to fully describe and demonstrate it.

A demonstration will be given and there will be an opportunity for individuals to avail themselves of hands on experience.

It is planned to have a small "working party" on Monday, 2nd November at 2pm to erect the Aerial for Gwyn's demonstration – can YOU assist, please. Name to John, G8DET or Brian, G3CVI.

If you're interested in the latest in Radio - this one is for you.

CARS now famous Raffle with at least 10 prizes - only £1 per Ticket.

Dates for your Diary

Wed, 11 th November	CARS Committee Meeting – Danbury Village Hall – 7.30pm. All welcome.
Tue, 1 st December	CARS Meeting – "Multi Tx Radio Direction Finding" - by Roy Emeny, G4JAC.
Sat, 5 th December 2009	CARS Christmas Lunch at The Chimes Restaurant, the Bell, Rettendon Common, near Chelmsford. See Menu and Application sheet issued with this Newsletter.
Tue, 5 th January 2010	CARS Meeting – "Development of the East London Line" by Mark Sanderson, M0IEO.
Sun 7 th February, 2010.	Canvey Island Rally – 10 to 4pm. Look out for items to sell to bring along. CARS have ordered a Table but only "DIY Selling" this year due to lack of equipment.

To become a Member of CARS, send a Cheque for £12 – Adult Membership (16s and under are FREE) to:- Mr Brian Thwaites, 118 Baddow Hall Crescent, Great Baddow, CHELMSFORD, CM2 7BU.

If you would like a receipt, please enclose a stamped addressed envelope with a 2nd class stamp.

Thanks to Geoff, G7KLV for sending the postal Newsletters – could it go by E-Mail?

Please inform Geoff, G7KLV by E-Mail of any changes to your call-sign, postal or E-Mail address, etc. E-Mail him on g7klv@g0mwt.org.uk Only by you sending Geoff your E-Mail address, can we ensure **WE** get it right!

Club Nets: Tuesdays 8-30pm: (2nd) 145.375: (3rd) 28.375: (4th) 1.947: (5th) 145.375. All +/- QRM.

Net Controller for November – David, M0BQC

Thanks to Harry, G5HF for doing it in October.

Last Months Meeting:- “CARS Annual General Meeting” By CARS Committee and Members.

James 2E1GUA started the evening off by announcing that he did the “Cycle for Life” for Farleigh Hospice on Sunday, 13th September and rode 50km on his bike - He raised £86 from CARS and over £300 in total. Well done James!

Amateur of the Year Award.

Carl then announced that the *Amateur of the Year* was Mark Sanderson, M0IEO – a truly justified winner. Harry, G5HF presented him with the Trophy. Certificates were then awarded to the winners of the Constructor’s Competition with the Anthony Martin, M1FDE Shield being awarded to Richard Meadows, 2E0SBU, for his Magnetometer entry. His father, Peter, 2E0ZBU was presented with the Certificate.

Annual General Meeting - 2009

Opening the AGM, Chairman John, G8DET said that each year he worries “How can we equal that” – this year must have been the busiest since the Society was formed in 1936.

Apologies David and Myra were still involved with their Replacement Postmaster duties, Patrick, M0XAP had Pleurisy while Jeremy, M0DUT was still recovering from his motorcycle accident and Colin, G0TRM was on holiday with Tony.G4YTG doing the PA this evening.

John read the Minutes/Report from the 2008 AGM which the audience agreed was a fair account.

Proposed by Gwyn, G4FKH.

Seconded by Carl, G3PEM.

Chairman’s Report. The year started with CARS being given £10,000 by the Awards for All Lottery Fund and this had funded new rigs and other equipment for Training, Radio Sport and CARS involvement with Sandford Mill. A Report is due to be given to the Lottery Commissioners by 4th November.

Our 2008 Christmas Lunch was well attended in December and will be repeated this year on Sat, 5th December – again at The Bell, Rettendon. John then listed talks and events that over the past year:-

January was Jack Binns – story of the SS Florida colliding with the RMS Republic off Nantucket Island in Jan 1909, America where 1,600 lives were saved due to the use of Marconi Wireless. Gwyn, G4FKH and a team operated SES GB0MWT to mark this for two days at Sandford Mill using CW and SSB.

February saw Tony, G4YTG present Aerials to a large audience.

March had Colin Thomas G3PSM, The President of the RSGB came and give us a talk.

April: Michael O’Beirne, G8MOB brought a load of Service Radios by train and talked about Service Communications. For IMD we had HF in the Marconi Hut & Mark, M0IEO in his caravan on VHF. Also in April, CARS went to Boreham Airfield and presented a Cheque for £500 to the Essex Air Ambulance following the end of the CARS Award scheme.

May: Vice President, Geoff Mills G3EDM gave a Social Presentation on Honey Bees. Patrick M0XAP did Stock Windmill with Mark & his Caravan.

June was Colin’s Table Top Sale when Zipy presented the Raffle with a huge Clock. June was also NFD using CW from Sandford Mill where all the station was provided with the new Lottery purchased Rig, Tuner Unit and Computer. CARS did better than previous years. Frank Howe, G3FIJ became a Silent Key in Colchester and CARS Hon Member Stan Wood also.

July was the Constructors Competition followed by...

August: Peter Chadwick, G3RZP who took time off globe trotting to talk about the International Amateur Radio Union. For four August Sunday Afternoons CARS was at Sandford Mill.

June and August has also had Richard Beck, M3YLB & Mark, M0IEO arrange with Chelmsford BC to Operate from the centre of town – great job!

September was Murray, G6JYB & Clive. G1EUC with D-Star which resulted in Mark, M0IEO purchasing one and with it he can access Kent and the World. On the operating front, Ofcom would not allocate any special Call-Sign involving the word “BOMB” so Mark was given “GB2TAM” for Thorpe Abbots Museum & spent a happy 3 days near Diss.

October saw Murray, G6JYB organise Special, Special Call-Sign with GB70GB for BAE Systems Family Open Day on Saturday, 3rd October.

Our next Event is Saturday, 17th October, 10am-4pm at the Great Baddow Library with a table running a SDR Receiver showing the radio spectrum on the CARS large laptop – names to me at the Break.

I have not mentioned the Training as I am hoping someone from the Training Group will say something about that in a few minutes.

What I have realised is that if one uses a computer for anything – it must be under control every second – we have had 5 yr olds switching off our software & switching to MSN Messenger & Facebook!

I propose a “Vote of Thanks” to all who have made this year so successful – Clap.

John Yates has done a great Job with the Programme of Meetings – Vote with a Clap.

I have Edited the Newsletter and run the Website – both assisted by Murray, G6JYB. Thanks Murray. Geoff, G7KLV has folded, stamped & posted the Letter Versions of the NL - we are down to about 35 now with the rest going E-Mail.

Membership/Treasurer's Report.

Brian said that we had 135 paid-up Members which was very good and thanked everyone for their support. Geoff, G7KLV was thanked for buying a large number of 2nd Class stamps before they went up in April – saving quite a bit of money.

Brian said he was still creating the list of equipment CARS owns.

Financially we were quite healthy with “£757 Income over Expenses”, even excluding the Lottery Award and proposed that the Subscription should remain the same at £12 per year.

Proposed by Tony, G4YTG.

Seconded by Carl, G3PEM.

Training Report. Martyn, G1EFL, Lead Training Instructor said that this year had been busy with the a Foundation Course at King Edwards Grammar School using the new Lottery radios with 17 Passes.

The Training Group missed Anthony, M1FDE who passed away a year ago. Martyn requested anybody who had a few hours to spend to consider joining the Training Group – not necessary training but assisting; making the teas etc.

Clive, G1EUC was thanked for organising those to attend the many Courses CARS run.

President's Report. Harry thanked all the people who worked so hard to make this year so successful.

Harry, G5HF said that Mark, M0IEO should be congratulated for being awarded *Amateur of the Year*, well done. He thanked John, G8DET for being Chairman, editing the Newsletter and the Web Site.

Nobody volunteered to be Chairman so Harry asked who would Propose John to be Chairman –

Proposed by Mark, M0IEO,

Seconded by Martyn, G1EFL.

Voted in for another year.

Committee John said that the 2008/9 Committee were prepared to stand again be voted in en bloc.

Proposed by Mark, M0IEO,

Seconded by John Strange, M0VRS.

Voted in for another year.

Jim Smith, 2E0JPS had said that due to work demands he had stood down from the Committee and was thanked for all his Committee Minute Taking and support in the past with a clap.

Mark, M0IEO was Proposed to join the 2009/10 Committee by John, G8DET and Seconded by Murray, G6JYB. Voted in.

James, 2E1GUA was also nominated to join the Committee by Brian, G3CVI, Seconded by Colin, G0TRM. Voted in.

The Committee is now up to strength.

CARS Committee for 2009 to 2010.

President	Harry Heap, G5HF
Vice President	Charles Shelton, G0GJS
Vice President	Geoff Mills, G3EDM
Chairman	John Bowen, G8DET
Vice Chairman	Martyn Medcalf, G1EFL
Treasurer & Membership	Brian, G3CVI
Programme Secretary	John Yates, G1UZD
Minute Secretary	Jeremy Barley, G0DUT
Assistant Secretary	Colin Page, G0TRM
Antenna Manager	Tony Gilbey, G4YTG
Training Organizer	Clive Ward, G1EUC
RTL Instructor	Murray Niman, G6JYB
RTL Instructor	Martyn Medcalf, G1EFL
Radio Sport Manager	Steve Cocks, G4ZUL
QSL Manager	Patrick Xavier, M0XAP
Publicity Managers	David Davis, G3SVI Myra Davis, M0MYR
Members	James Beatwell, 2E1GUA Mark Sanderson, M0IEO.

Any other Business.

John said that Patrick, M0XAP had proposed that one week the CARS Net should be 70cm and with that in mind should we purchase a UHF MFJ 269. This was discussed and Proposed by Martyn, G1EFL and Seconded by John Strange, M0VRS.

AGM was closed at 8.30pm.

A series of some 200 slides were shown in reverse order of CARS Events during the past year.

Packs of Compact Economy 11 and 14 Watts bulbs were distributed by Norman, M0FZW. Thanks.

John, G8DET

CARS Operated a Very Special Event Station: BAE Systems Great Baddow, 3rd October.

GB70GB was a Special, Special-Event call-sign issued by Ofcom, UK for the 70th anniversary of the opening of the Research Centre at Great Baddow - home to what was originally Marconi's Research Laboratories; and also later on home to famous staff including Spycatcher author, Peter Wright and Chris Cockrell (Hovercraft inventor).

Baddow is also home to the last surviving fully-intact 360ft Chain Home radar mast from the Battle of Britain - itself coming up to its own anniversary on 26th Feb 2010 (75th anniversary of the Daventry Experiment by Watson-Watt), maybe GB75CH?

On the day pre-registered Visitors saw a series of exhibits on Baddow's history and technology from turn of the century Marconi heritage right up to present day innovations at what is now known as BAE Systems Advanced Technology Centre. Colin, G0TRM and Doug Zeeman provided a Morse demonstration room with Morse Keys and a rolling competition between SMS Texting and Morse – Morse won! John Yates, G1UZD and Brian, G3CVI used the Flex 3000 SDR to demonstrate Amateur Radio while Murray, G6JYB looked after the excellent presentations he had arranged. Also in attendance were Ken Writtle, G7RFT, Martyn Medcalf, G1EFL David Bolwell, ex G3JCM & Chairman John G8DET.

Photographs and a report are on the CARS Web Site under "Past Events".

Waters & Stanton have a very nice Blog of this event – see: - <http://blog.wsplc.com/> Thanks.

More about the Great Baddow Mast:-
http://www.chelmsford.gov.uk/media/pdf/7/m/Great_Baddow_Mast_A4.pdf

Murray, G6JYB

November Radio Sport (Contests)

7th and 8th Nov: 144MHz Marconi - CW – 24hrs
12th Nov: 80m Club Sprint - SSB - 19:00-20:30
14th Nov: Club Calls - Topband – 20:00-23:00
14th & 15th Nov: Japan Int'l DX - SSB – 30hrs
21st & 22nd Nov: 2nd 1.8 MHz CW contest 19:00 to 01:00 Hours.
25th Nov: 80m Club Sprint - CW – 19:00-20:30
28th & 29th Nov: CQWDX - CW – 48 Hours.

For further information please email Steve G4ZUL
contests2009@g0mwt.org.uk

Training – Foundation Course: Sept-Oct Foundation Success.

Nine out of 11 candidates passed the 20th CARS Foundation Course, including one of the young Sons of the late Anthony Martin, M1FDE. He now has the Call-Sign, M6FDE. Pictures of the class are on <http://www.g0mwt.org.uk/training/photos/p-found.htm>

CARS run courses for all three levels. A fast-track Revision Course starts on Thursday, Nov-12th for

the Advanced exam coming up on Monday, 7th December.

The next Foundation Course (CARS landmark 21st Course!) starts after Xmas on 14th January 2010.

If you would like to attend either, please contact Clive G1EUC below.

More details are on our Training page: -
<http://www.g0mwt.org.uk/training>

Tel: 01245-224577 Mob: 07860-418835
E-mail: training2009@g0mwt.org.uk

Essex Repeater Group AGM – October-15th

This was held at the Danbury Village Hall and was well attended. Zipy, G4ZPE took the Chair and made everyone very welcome. As usual the meeting was an excellent opportunity to renew the Subs which was Proposed to remain at only £9. Reports on how the many Repeaters and the new D-Star systems are progressing were made and appreciated. Free refreshments, surplus kit and a Raffle were also enjoyed.

Murray G6JYB, ERG Secretary

Where Did It All Start?

'The History of the development of Wireless from 600BC to the early broadcast days' is the title of a wonderful, illustrated website put together by Greg Whiter, VK3CA. In six parts, it chronicles the many discoveries and inventions that have led to the development of radio as we know it today.

All the usual suspects are here - Samuel Morse, Michael Faraday, Heinrich Hertz, Nikola Tesla, Reginald Fessenden and of course Guglielmo Marconi - plus many other not so well-known names. See <http://tinyurl.com/RadioHistory>

Greg, VK3CA has also produced an article on 1960's Yaesu equipment at <http://www.portablemasts.com.au/yaesu/Yaesu1.htm>

Trevor, M5AKA

BBC Radio 4 - Early TV Reception

BBC Radio 4 has broadcast an item in their Making History show about the reception during the 1930's of USA TV transmissions in the UK by pioneering Radio Amateurs such as Douglas Walters G5CV.

Could a well-known 'radio ham' have picked up television signals from America in 1930, more than three decades before the Telstar satellite enabled regular transmissions across the Atlantic?

That's the assertion of Radio 4 listener Geoff Gilham who discovered a letter to The Times from a Douglas Walters, G5CV that claimed just that.

With help from Iain Baird at the National Media Museum in Bradford and Giles Read, G1MFG from the RSGB, Making History's Dylan Winter pieced together the early history of TV and showed that Walters, a journalist with the Daily Herald, was one of several Radio Amateurs who helped shape the future of Television.

The Making History show was first broadcast on BBC Radio 4 at 15:00 on Tuesday October 6 and MP3 Podcasts of Making History can be downloaded from: <http://www.bbc.co.uk/podcasts/series/mhistory/>

The item on early TV reception starts 12:30 minutes into the show. Early Television - Douglas Walters <http://www.earlytelevision.org/g5cv.html>

Vintage video of BBC Television received in New York, see by clicking on: - http://www.southgatearc.org/news/september2009/bc_television_received_in_new_york.htm

Trevor, M5AKA

Amateur Radio and the Olympics

Ofcom has published its Spectrum Plan for the London 2012 Olympics, outlining how the airwaves will be managed during the seven week event. Essex is well within the area affected so we can expect changes to operating/licensing to cover the period of the 2012 Olympic and Paralympic games

Ofcom's statement can be found at: <http://www.ofcom.org.uk/consult/condocs/london2012/statement/>

It is pleasing to note in the full PDF document, which has a detailed Q&A, that Inputs from RSGB and RAYNET are noted against several issues where Amateur Bands are potentially needed. RSGB awaits further discussions on this, which are part of an ongoing liaison process with Ofcom.

It is also well worth looking at other detail in the Ofcom statement as it also covers management of exempt devices, monitoring/enforcement, Wi-Fi congestion, PMR channel preferences etc.

Murray, G6JYB

Monitoring-Matters E-zine

The website of Monitoring-Matters has announced that the first issue of the new E-zine devoted to radio communications should be published on 1st November. The online magazine is for those with an interest in utility radio, either as a Radio Amateur, or Scanner user; or with an interest in civilian, military or government communications.

The Monitoring-Matters E-zine website is at <http://www.monitoring-matters.com/>

Trevor, M5AKA

For Sale – Radio Equipment - New Advert.

Azden PCS-6000, 25 Watt, 2m. Transceiver with 7/8 whip. £30
Bencher Iambic CW paddle £12
Kenwood LF-30A low pass filter £10
Toyo 5-500MHz 200W 50ohm dummy load. £10.

Ivan Rush 01277 226437

E-Mail ivan@ir.eclipse.co.uk

For Sale – Estate Car – Reduced Price

Volvo V40, registered 2003, one careful owner. Automatic, 1.8 litre engine, MOT until end of May 2010. Winter pack, that is to say heated front seats, headlamp wipers and fog lamps.

- Metallic gold paint.
- Carpets as new.
- Only 36,000 miles in six years.
- Serviced by Volvo each year.

£3,400 ono (Reduced – Quick Sale)

Also Selling – Radio Transceiver

American TenTec Omni VI HF Transceiver (160 through to 10m), FM, FSK, SSB, CW.

Offers in the region of £600

Geoff, G3EDM. Tel 01245 223494.

glmillsq3edm@onetel.com

For Sale – Norton Anti-Virus - 2nd Time

Due to a mix-up on the Internet I ended up buying TWO copies of Norton! I now have a Brand New (not opened) copy of Norton AntiVirus 2009 with Antispyware for ONE computer for Sale. It will work for the next 3-4 yrs with updates provided by Norton.

It is advertised for £45 but mine is only £10 now – reduced for a quick sale.

Dave Bolwell, Ex G3JCM

Tel 01245 223591. (Danbury).

Martlesham Microwave Round Table

The Martlesham Microwave Round Table takes place Saturday and Sunday, November 7th & 8th and there is a good line-up of speakers. If you are planning to attend this event please remember to book in plenty of time. All visitors need to be pre-registered in order to get onto the BT Adastral Park site.

The booking site can be accessed at:
<http://mmrt.homedns.org/start.html>

Click on the "Book" tab on the left hand navigation menu to get into the booking process. Details of hotel accommodation are included on the "Meal" tab, with a contact number for the hotel and a discount room rate code. This is the Holiday Inn in Ipswich on London Road. Martlesham Talks: -
<http://mmrt.homedns.org/talks.html>

UK Microwave Group
<http://www.microwavers.org/>

Murray, G6JYB.

CARS Christmas Lunch

This year we are repeating the excellent Lunch provided by The Chimes Restaurant at The Bell, Rettendon, CM3 8DY. Martyn Medcalf, G1EFL is co-ordinating Bookings.

We have a room to ourselves and the decorations are nice as is the meal and service. The price of £15 is the same as last year which is appreciated.

Please join us – it is not run just for the Committee – it is run for all CARS Members.

John G8DET

Wanted - Pictures for CARS DVD

I am putting together a new version of the CARS DVD and would be interested in JPEGs that members may have of pictures of CARS events from the 1930's, 40's, 70's and 80's. Some members have already written their reminiscences of their early days in Amateur Radio but I would be interested in some more particular from the 1930's, 40's and 50's for both the Newsletter and CARS DVD.

My Email address is m5aka@g0mwt.org.uk

Trevor M5AKA

Tony Dix, G5IX – Silent Key.

An Obituary by Geoff G7KLV

It is with regret that we have heard from Arthur Wreford, G3EHZ that one of our very early Members W A Dix, G5IX, better known as Tony, has sadly passed away. He was aged 94. Tony originally lived in Queens Road but on retirement moved to Church Stretton in Shropshire. Arthur told us that Tony had no living relatives but a nearby Amateur "kept an eye" on him and on a routine visit had found that he had died sometime previously and informed the authorities.

Up until quite recently Arthur and Club Member, John Greenwood, G3KRZ, were in regular touch with him.

Arthur used to save up the Club Newsletters and send them to him but latterly he was on our mailing list.

Tony was actively involved in the CARS in the early days and served as a Vice President from 1966 to 1980. He was also the Editor of our first Newsletter, published in January 1966. In those days it was called a News Sheet but like our present Newsletter its main purpose was to inform members of forthcoming activities.

<http://www.g0mwt.org.uk/newsletter/newsletter-1.htm>

Tony, although a very private person, was a charming companion, always willing to chat and discuss a wide range of topics. He was a Captain in the Army during WW2 and latterly with the Radar Division of Marconi until his retirement.

More details when we are aware of them.

Vice-President, Charles, G0GJS's Wife - Passed Away.

As we go to print CARS has learnt that Veronica (Ronnie) Shelton, passed away quietly at home on Thursday, 22nd October.

The funeral has been arranged for Friday, 30th October at 11am at All Saints Church, Springfield and afterwards at the Church Hall.

Family flowers only – donations maybe given to their favourite charity "The Dogs Trust".

Charles maybe contacted on 01245 256654 or charlesshelton@keme.co.uk

CARS extend sympathy to Charles and his Family.

And Finally:-

John G8DET edited this edition.

Material by; Murray G6JYB, Trevor M5AKA, Steve G4ZUL, Clive, G1EUC & Ivan, G4VAD; Geoff, G3EDM, Mark, M0IEO, Geoff, G7KLV, David, Ex-G3JCM & Dick, G4DJC.

Items for the next Newsletter, including your experiences with your latest rig or antenna, tips on working DX, or your latest project, to be sent to the editor@g0mwt.org.uk by Saturday, December 19th.

Chelmsford Amateur Radio Society – 2009 Christmas Lunch.
Saturday Lunchtime, 5th December, 2009. 12.00 for 12.30pm sitting. (Note the time).

Venue: The Bell, The Main Road, Rettendon Common, near Chelmsford. CM3 8DY

To enable the Restaurant to provide the correct food, we need to know in advance what your (and your Partners) food preference is. Please put a 'X' against the chosen dishes.

Copy this Form if you require more than two persons to attend with different menu choices.

Starters	Person 1	Person 2
Soup of the Day.		
Prawn Cocktail.		
Pasta Italian, (Pasta spirals in a Tomato & Herb sauce.		
Garlic and Parsley Breaded Mushroom with a Salad Garnish.		
Main course.		
Traditional Roast Turkey.		
Fresh Cod in a Creamy Mushroom Sauce		
Roast Topside of Beef.		
Poached Salmon Steak with a Tarragon Sauce.		
Minted Lamb Steak.		
Desserts.		
Christmas pudding with Brandy Sauce or Custard		
Sweets from the Trolley.		

Tea or Coffee will be served after Lunch as part of the meal.

Cost : - Price of only £15.00 per person. (Same as last year.)

Cheque Amount enclosed £

There will be a Star Raffle with lots of super prizes.

Raffle prize donations appreciated!

Applications for a ticket(s), together with a Stamped (2nd Class), Addressed Envelope, should be sent to:

Mr. Martyn Medcalf, G1EFL, 47 Paddock Drive, Springfield, CHELMSFORD CM1 6UX.

Tel 01245 469008. g1efl@g0mwt.org.uk

Please make your Cheque (No Cash, please) out to : - C.A.R.S.

Or give it Martyn, G1EFL with the Stamped (2nd Class), Self Addressed Envelope at the CARS Meeting on 3rd November at MASC.

Please give your Name and Callsign and your Address:

Name _____ Callsign. _____

Address _____

Post Code _____ Tel Number _____

NB: No SAE, no tickets!

If you have not received your tickets by the 21st November, ring Martyn on 01245-469008.

Or E-Mail g1efl@g0mwt.org.uk Please tick if you need directions to The Bell. [] .