



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 531

Web Address: www.g0mwt.org.uk

June 2010

This Month's Meeting – Tuesday, 1st June 7.30pm at the Marconi Club.

"Table Top Sale by Colin Page, G0TRM"

It is that time of the year when all CARS Members are expected to look carefully at their shack and think - "Can I improve on what I have here?" Then without telling " 'er indoors", parcel up your "old rig" and book a table at the CARS Table Top Sale - sell it and then go and purchase something else from the next table to replace it. I know that is a bit ideal - but you get the idea!

Colin will book you a table for FREE if you are a CARS Member but if you do well, a small donation to Club funds would be appreciated. - £3 for a Visitor's Table. We always have good Amateur Radio Equipment for sale and often some goodies as well.

All Essex Radio Amateurs, SWLs and other Electronic Enthusiasts are invited to attend to sell or buy. You can look but we would like to think that looking results in buying!

Free entry to Buyer and Sellers but we would like you to purchase one of our Special Raffle Tickets (£1). For fairness to all - no entry until 7.30pm for Buyers.

Why not purchase a drink to "wet your whistle" before the 7.30pm start time.

Contact Colin on 01245 223835 during Office Hours to book a table. See you there.

CARS will have its now famous Raffle with at least 10 prizes.

Please support - Saturday, 12th June at Oakland Museum, 10 to 5pm operating GB90MZX and on Tuesday, 15th June operating again but in central Chelmsford. See page 5.

Dates for your Diary

Sunday 30 th May	W&S Open Day, Hockley, inc CARS Training and ERG Stand
Sat 5 th & Sun 6 th June	CARS operating NFD from Sandford Mill. A "Bring a Plate" style BBQ will also take place on Saturday at mid-day – weather permitting – or Sunday if better!
Sat 5 th & Sun 6 th June	RADAR exhibition and various activities at Bawdsey Manor, Suffolk.
Tues, 8, 15, 22 & 29 th June	CARS CW Net starts at 8pm on 8 th ; Nets starts at 8.30pm (Local)
Wed, 9 th June	CARS Committee Meeting – Danbury Village Hall – 7.30pm. All welcome.
Sat 12 th & Tues 15 th June	CARS Operating from Oaklands Museum (12 th) and Central Chelmsford (15 th) to commemorate Dame Nellie Melba transmitting on 15 th June 1920 using GB90MZX.
Tuesday, 6 th July	CARS Meeting – Constructor's Competition by Carl Thomson, G3PEM.

To be/remain 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) GB3ER: (4th) 1.947/50: (5th) 28.375. All MHz +/- QRM.
Net Controller for June is Patrick, M0XAP. Thanks to David, M0BQC for doing it in May.

**Last Months Meeting:-
"Breathing new life into an old Marconi
T1154, R1155 and CR150"
By Peter Bridgeman, G3SUY."**

After the announcements Chairman John requested Tony, G4YTG to tell his story about a hissing 11KV insulator & the DF Station to conclude Stan's Secret DF presentation the previous meeting.

John then introduced our speaker for the evening, Club Member Peter Bridgeman, G3SUY, to a well attended meeting with a goodly number of visitors. Not surprising really, when many amateurs either used the Marconi 1154/1155s or had one or other of them in the past. A nostalgia trip for many of us!

Restoring old equipment is one of those bugs that once caught is difficult to cure. There are two types of restorer.

Those who restore to the original condition in every detail using authentic materials and components so that the result is like new!

Then there are the other breed of restorers, who take a more pragmatic view and tend to use modern components and are not averse to making the odd modification to improve performance, but still preserving the main essence of the equipment. Peter is obviously one of these!

The 1154/1155 equipments were developed at Writtle around 1939 and entered service in 1940, replacing the 1082/1083 and 1115/1116s, and remained in front line use until the 1950s, lingering on for twenty years with Cadet use. They proved very versatile, being used in a variety of applications and with total production of about 80,000 by various manufacturers. They were intended for CW, MCW and phone with RDF facilities in the receiver.

Peter's T1154 was rescued from a farm near Manchester in a very deplorable state, and presented a challenge! With considerable dedication, mechanical and technical expertise, he has restored the T1154 to excellent working condition!

Peter follows a logical procedure in his restoration work and much of the wiring was replaced together with some of the high voltage capacitors. First switching on is done in easy stages, filaments first and then with reduced HT.

The suppressor grid modulation circuit was modified with provision for fixed bias and has proved very satisfactory. We were shown a picture of the modulation waveform which was excellent and it was generally agreed that the resulting AM sound was easier on the ear than AM from modern transmitter rigs. Could this be due to the wider transmitted bandwidth of the 1154? Who knows, but it was agreed that the sound recordings taken of the 1154 when used the previous week on the CARS Top

Band Net were impressive. G0KOM recorded the QSO and kindly put a copy of the Internet:-
<http://www.youtube.com/watch?v=8hRdipXLTuA>

The PT15 output valves were tested in a rig Peter had devised and several photos of flash over in the valves illustrated various faults.

The 1155 receiver is a conventional superhet with the addition of valves and circuitry for the RDF facilities. The IF chosen was 560 kc/s right on top of Athlone, necessitating efficient rejector circuits. A loop is provided for DF and another fixed aerial is used for sensing. A trailing wire aerial could be used for the lower frequencies. As with the transmitter, much rewiring was necessary due to the perished rubber. Peter has constructed a control unit to enable the two equipments to be used together and this includes high stability frequency sources for the TX.

Now to Peter's CR150. This is of special interest to me because in my youth I was involved with the development of the CR150/4 which was used in double diversity equipments such as the CRD 150. His rejuvenated CR150 was in a pretty deplorable state and required a complete rewire and replacement of many paper capacitors, including those three in a can types used in the IF stages. He replaced the four EF50s with miniature 7 pin valves culled from a Pye PMR set. He rebuilt the coil pack for amateur use covering the lower frequency bands, quite a task! A modern product detector and amplified AGC were also slipped in!

Whereas renewing the inside of old equipment is relative straight forward, the outside appearance can present problems, particularly labelling. Peter overcame this using a PC with Word and a drawing program. The CR150 case was repainted using a number of cans of Ford retouch paint with excellent results.

Peter told me that he is always reluctant to give this talk because he knows his voice is going to give out towards the end! However it started to flag but in spite of that he gave us all a very interesting evening, illustrated with many excellent slides and pictures of his remarkable achievements, driven on by unflagging enthusiasm for the tasks in hand.

I do wish I had his patience and dedication!

Thank you Peter, we all enjoyed your talk, and thank you for lending me your memory stick so that I have been able to enjoy your photos and comments one more time!

Geoff Lovegrove, G7KLV.

Roy Collett, G0KSV. An obituary by Geoff G7KLV.

It is with sadness that we hear that Club Member, Roy, G0KSV has passed away after being ill for some time. He was one of a group from Shenfield and points South who have been Club Members for the past twenty five years or so.

Roy served as a Fitter in the RAF in WWII based in Tripoli servicing Hurricane and Spitfire engines. He became interested in radio soon after the end of his career as a bank manager. His Son, Andrew was running an Amateur Radio class at Brentwood which was in danger of folding for lack of numbers and to save the day he roped in Roy! Resulting from those early beginnings long lasting friendships were made. The class was successful and he passed the written exam and went on to pass the Morse test as well. The class included Roy, Peter Graves, G0KSJ, George Civil, G0LKY, the late Don Morrison, G0LLA, Roy Emeny, G4JAC and, of course, Andrew, G0JSU.

Roy's introduction to operating was on a 2m net with Andrew on his way home from work. The group continued to meet regularly and after a short time they joined CARS *en masse*, which was then meeting at Marconi College, where they met Fred G2HNF. The group was introduced to home construction and under Fred's direction Roy and Don produced some excellent equipment. Eventually Andrew moved to Swindon but the net continued but on 80m!

Roy's first HF rig was a FT102 but this was later replaced with one of Roy Martyr's Icom rigs. The group all used bencher paddle keys built by George but Roy really preferred a straight key. Andrew told me that Roy enjoyed Amateur Radio and the Club meetings. His other interests included caravanning with his Wife who sadly passed away some years earlier.

Roy will always be remembered with affection by those who knew him but especially by the surviving members of his group of friends from the 1980s. Meanwhile Andrew will be setting up Roy's HF equipment at Swindon using his 80m mobile aerial and Don's 60 foot tower, the two latter items constructed with the assistance of Fred!

We send our condolences to Andrew and his family.

CQ-Local

Looking through my collection of Radio recordings I thought it would be nice to share some of the documentary programmes I enjoy, especially those relating to the early days of radio.

I have therefore created a new Web Site where you can listen to a small collection of recordings which

may be of interest to you. There are also Radio related "You Tube" videos to view on the site. There is a 'Radio Tuner' page with links to familiar or unusual stations, and a link to the current Web Radio service of 'Chelmsford Calling - easy listening and vintage music'.

I hope you enjoy the website. The address?
www.mt2radio.co.uk

Jim Salmon, 2E0RMI.

CQ-DX.

Continuing reports from distant CARS associated contacts, please see below the new Web Address Although in Italian, a lot is in English.

<http://iw9ghb.jimdo.com>

Note, it is NOT a www.

Salvo, IT9AYD.

CQ-DX, Canada Calling.

Hello John, I clicked on your link and it was good to read about CARS.

I congratulate Members of CARS for being judged the "Club of the Year" by the RSGB. A "well done," to all who made this possible.

I plan to be in Europe for a couple of months this summer so hope to get to visit my family in Rayleigh, if so, I will contact you and hope we can meet up. I would like to attend the CARS meeting on September 4th and listen to the presentation on "The History of Radar." I started my career in Radar. I am the editor of the Montreal Amateur Radio Club (MARC) newsletter " marcOgram See a 2007 sample: - It is nearly 2Mbytes.
www.hay-net.net/~ve2arc/mgram/ma0705ar.pdf .

So hopefully I can get some interesting tips especially in the area of training and new young hams.

Ron Campbell, VA2RJC

Radio Sport (Contest) News.

June Radio Sport (Contests) All in UTC.

5/6 June RSGB NFD - 24Hrs.1500

7 June - RSGB Club - Data – 20:00 to 21:30 BST

16 June - RSGB Club - CW - 20:00 to 21:30 BST

19/20 June 50MHz Trophy – 24 Hrs

19/20 June JARL all Asia DX – CW 48Hra

24 June – RSGB Club – SSB – 20.00 to 21.30 BST

For further information please email Steve G4ZUL
contests2010@g0mwt.org.uk

Steve, G4ZUL

Radio Path Predictions – April.

Gwyn, G4FKH was requested at the November Meeting to provide an "Only to CARS" Propagation Prediction. Thank you Gwyn.

Asia: Dhahran - around 20:00 on 18.1MHz for 84 percent of days, with poor signals.

Oceania: Sydney - around 20:00 on 7.0MHz for 61 percent of days, with poor signals.

Africa: Johannesburg - around 18:00 on 10.1MHz for 79 percent of days, with poor signals.

S. America: Rio de Janeiro - around 22:00 on 10.1MHz for 83 percent of days, with poor signals.

N. America: Saskatoon - around 22:00 on 14.0MHz for 73 percent of days, with poor signals.

Comments are welcome. Please E-Mail Gwyn at: [g4fkh "AT" btinternet.com](mailto:g4fkh@btinternet.com)

Gwyn, G4FKH

Rebecca Mk IIA (SCR 729 – AN/APN-2)

In 1957 I bought an Indicator Unit recovered from a Flying Fortress Bomber which was being scrapped at RAF Fairford as it had a 3BP1, 3", CRT in it.

I converted it into an Oscilloscope and used it for some 20 years before it blew up. I have been interested as to what it really was for years and spent quite some time with the 100th Bomb Unit, Diss in their library when I was with Mark, M0IOE and GB2TAM last September. After spending a vast amount of time on the Internet I now know I have a BC929 Indicator Unit which is part of an American Airborne Rebecca system. My unit was made in January 1945 and was one of 5,500 manufactured in Camden, New Jersey, USA.

Rebecca / Eureka was originally designed in 1941 by Dr. Robert Hanbury-Brown and J.W.S. Pringle of the Telecommunications Research Establishment to assist in the delivery of supplies to the Army or Resistance in occupied Europe. The "Interrogator" was derived from ASV.II and was named "Rebecca" since she "called for her children" and the "Beacon" was named "Eureka" for "I have found it!"

The system expanded into blind homing, approach aid for aircraft and landing beaches for invasion forces. Throughout the war the use of Eureka I and Eureka II with the Resistance Movements was fairly successful. It was used in Operation Market Garden, Holland and in large numbers for D-Day.

The Rebecca Mk IIA radiates about 300 times a second a 4-5 uSec duration interrogating pulse on a spot frequency in the range 214, 219, 224, 229 and 234MHz.

The Eureka is dropped into enemy territory and consisted of a 12foot mast with a Dipole with 3

sloping Counter Poise elements, a receiver and transmitter, all driven from a battery pack operated vibrator.

On receipt of the interrogating pulses the Eureka beacon triggers its associated transmitter causing responses to be radiated on a different frequency but at a pulse recurrence frequency of the interrogating transmitter. The returned signal received on both the right and left Rebecca receiver aerials are displayed on a CRT in which the time-base is synchronised with the original pulse from the Rebecca transmitter and applied to the Y-plates of the cathode ray tube. The received signals are switched into the receiver in synchronism with the switching of the video-frequency output signals to the right and left hand X-plates of the cathode ray tube.

In this way, if the beacon is to the right the signal to the right of the time base will have a greater amplitude, in which case a right turn will be necessary to make the signals on either side of the time base equal in amplitude and the aircraft will then be flying directly towards the beacon. 30 planes can use one Eureka Beacon at a range of up to 100 miles.

A coding unit which is part of the Eureka beacon periodically causes the width of the beacon response pulses to vary at Morse Code intervals for identification. This function may also be manually controlled for transmission of simple messages.

I have now gutted my unit and re-provided 3 of the original SO239 sockets I have kept complete with the screws since 1957! With 2 more from Mark, M0IOE, the original pots (again kept) and hours with paint stripper, my unit now looks very much like the original.

Inside it is a different story! My unit will never work again but I do have a beautiful 24Volt motor and cam arrangement which is very much better than the Murphy manufactured English versions which used a GPO Uniselector.

8 different Mark numbers were produced through until 1977 when the system was integrated with other arrangements, (BABS & Lucero).

What should I do with it now? It seems as though the only other one in the UK maybe at Duxford. <http://www.duxfordradiosociety.org/equiphist/reb-eureka/reb-eureka-hist.html>

John G8DET

Mills on the Air Weekend

May 8th and 9th saw "Mills on the Air" weekend, and as has now become customary for CARS to set up camp at Stock Windmill in the village of Stock mid way between Chelmsford and Billericay in Essex. This year was in complete contrast to the two previous years, where the weather had been hot and sunny, this year it was cold and wet.

We arrived at Stock Windmill at 1000hrs in what can only be described as a spring squall, but unperturbed, set about making a camp of the caravan and setting up the awning ready to be on air by mid day. The awning was up in no time with the help of Patrick Xavier, M0XAP and John Blamey, 2E0NNQ and with the addition of a couple of chairs and a table was soon in fine shape for working in. Next we turned our attention to the antenna system, we were using the standard kit for field days of a long wire antenna supported by a 40' telescopic fibreglass pole which was also used to support the co-linier antenna for 2m and 70cms. This we have found to be the quickest form of antenna to erect and with practice we have got the installation time down to about half an hour. Patrick was soon working HF Mills all over Essex and as well as Norfolk and Lincolnshire.

John and I set about getting the 2m radio on air. For this we were using my Yaesu FT7800, a good basic 2m and 70cms radio, which will run all day at 50 watts. John worked Rayleigh Windmill, which was being activated by South Essex ARS, Upminster Windmill being activated by the Havering and District ARS and several other local Mills in Essex and Kent. The best 2m contact of the weekend was with the Jack and Jill Mill just outside Brighton in Sussex with 5/9 contacts being exchanged each way. We closed the station at 19:00hrs on Saturday evening, having had a complaint on the first year at Stock Mill we didn't want to risk upsetting the neighbours with interference from the radio. Patrick had left for home by this time but John and I were staying for the night with the caravan. After a dinner of sausage casserole prepared by my wife Belinda the night before, we settled down to watch a film on TV and to make a hole in the caravan beer mountain.

On Sunday the weather was a little kinder to us with only a few showers in the morning and a dry afternoon. Following a hearty breakfast of regimental proportions, always one of the treats of Mills on the Air weekend, the radios were set and checked and once happy that all was well we were off again. Once again Patrick was in his element with the HF set while I got going on the 2m station.

Many of the Mill stations were the same as the day before so I set about working as many non-mill stations as I could. As anyone who listens to 2m on a regular basis will know, this is not easy these days.

2m used to be a popular band but in the last few years seems to have fallen out of favour with many people. I don't know the reason for this but like most things trends come and go. Even so a good number of stations were worked on 2m and HF with the weekend total being evenly split at about 75 contacts for both stations.

By about 16:30hrs with 80m in pretty poor shape and 2m as dead as a door nail, it was time to pack it all away for another year and by 18:00 we were on the road with another successful Mills on the Air weekend under our belts.

As always there are a list of thanks to be given for a good weekend, this year the list is as long as ever so here goes,

Patrick Xavier, M0XAP for organising the weekend and being with us from start to finish.

John Blamey, 2E0NNQ for the assistance with getting there, setting up, taking down and operating the 2m station and for much of the weekend.

James Beatwell, 2E1GUA for cycling the 10 miles from Chelmsford to support us and adding to the 2m logbook.

To Jim Salmon, 2E0RMI for coming and working 2m, and especially to Ann Salmon, for the tin of Flap Jacks she made for the team, they were lovely. Bob Tokley G4MDB for coming and giving Patrick a break on the HF station.

David Davis G3SVI and Myra Davis M0MYR who came both Saturday and Sunday and worked with us to set up and operate.

Adrian Soane M0ABY and Mavis, his wife who came from St. Albans to be with us for the day on Sunday.

John Bowen, G8DET who called in on 2m and assisted with the clear-up.

And finally, to all those who worked the HF or VHF station, your calls made the weekend worthwhile.

Mark Sanderson, M0IEO.

90 Years of British Broadcasting 1920 – 2010 – GB90MZX Chelmsford

On the June 15th 1920 the famous Australian Prima Donna, Dame Nellie Melba gave her historic thirty minute concert from the Marconi New Street works in Chelmsford. The experimental Station MZX transmitted on a wavelength of 2,750 metres using a 15KW transmitter and a 'T' aerial at 450 feet.

To commemorate this event CARS propose operating GB90MZX on Saturday, 12th June from the Education Room, first floor of the new £5million Extension of Oaklands Museum, Moulsham Street, Chelmsford and on Tuesday, 15th June from central Chelmsford. Mark, M0IEO will provide his Mobile Communications Centre (caravan) and BAE Systems are providing the support services.

Note these dates in you diary, please. We will need Operators, Loggers and Hosts for this prestigious event.

Please put your names in the log at the June Meeting.

John G8DET

5MHz Experimental Band

Existing Notices of Variation (NoVs) of Amateur Radio Full Licences for the purpose of facilitating use of frequencies in the 5 MHz (experimental) band will expire on 30 June 2010.

Following consent from the Ministry of Defence (MOD), Ofcom is able to permit operation of stations by Amateur Radio (Full) Licensees using specified frequencies in the 5 MHz experimental band until 30 June 2015. Any Amateur Radio Full Licensee wishing to operate in the 5 MHz experimental band after 30 June 2010 must obtain a NoV by completing an updated application form. Info at:-

<http://www.ofcom.org.uk/radiocomms/ifi/licensing/classes/amateur/5mhz/>

Peter, G1FOA

Ofcom plans for 433 MHz

The RSGB have responded to the Ofcom consultation on removing restrictions for licence exempt devices in 433.05-434.79 MHz. The RSGB response was written by CARS Member Murray Niman, G6JYB and points out that removing restrictions on Short Range Devices (SRD) will create a significant increase in risk of harmful interference. It says:

"We see no pressing reasons or market demand for such a change when requirements for licence exempt voice etc can be met by PMR446 or other exempt 868MHz systems."

"The effect of such a change will be to permit unlicensed FM speech/audio transmitters that would effectively be using compatible emissions modes with UHF Amateur Service users and in particular our Repeater Inputs. The latter could then inadvertently re-transmit their unlicensed content over large service areas of tens of kilometres"

"The Impact Assessment table entry for Non-Specific SRDs on p34 of the consultation document fails to mention the impact of the changes on licensed users of the 433/434 MHz band where there is a potentially serious and costly impact."

Read the full RSGB response at; -

<http://www.ofcom.org.uk/consult/condocs/devices/responses/RSGB.pdf>

Trevor, M5AKA

Wanted - Panasonic RF3100 DR31 Receiver

Panasonic RF-3100L DR31 Shortwave / MW/ LW/ FM receiver in very good condition.

Telephone 07917 275702 Ashford, Kent.
[lawrence007 "AT" ntlworld.com](mailto:lawrence007@ntlworld.com)

Richard Lawrence.

Wanted - IC 207H Dual Band Transceiver

I am looking to purchase a used IC 207H Dual Band Transceiver. pad.fitz "AT" tiscali.co.uk

Paddy MWØPAD

W&S Open Day

Just to remind you that if you want a bargain, go early to the W&S Open Day on Sunday 30th May. Ignore the advert in PW which says the 24th – that is wrong!

Trevor M5AKA

Ipswich Rally - East Suffolk Wireless Revival.

Note the forthcoming Ipswich Rally (the East Suffolk Wireless Revival or ESWR) on Sunday 13th June 2010. Full details are on the rally website at:
<http://www.eswr.org.uk/>

Iain, G0OZS

History of the Morse Key

The Antique Wireless Association (AWA) have made available 3 videos giving a history of the telegraph key from semaphore to modern electronic keying.

The videos are narrated by Bruce Kelley and form part of the AWA legacy series.

The Key Part 1

<http://www.youtube.com/watch?v=mZBN-QfqNF8>

The Key Part 2

<http://www.youtube.com/watch?v=cC8pOh-TIFs>

The Key Part 3

<http://www.youtube.com/watch?v=Yq2hofdki5s>

Antique Wireless Association (AWA)

<http://antiquewireless.org/>

Trevor, M5AKA

Radio Amateur – Trucking - Webcam

See the story of Paul Young, G0HWC from Clacton on Sea as he drives around the country with a Web Cam mounted on his dashboard.

http://www.southgatearc.org/news/may2010/truck_cam.htm

Trevor M5AKA

A RADAR Exhibition

Thanks to the efforts of Robert Watson Watt, Arnold Wilkins, Taffy Bowen, and their dedicated teams of scientists and engineers who had been working at Bawdsey Manor from 1936 until the outbreak of war, Britain had an invisible secret weapon. - Radar.

We had a complete operational system, from being able to spot approaching marauders, right through to having constant contact with our fighters and other resources as they dealt with them.

To celebrate the achievements of those pioneers of RADAR, present day radio enthusiasts from Suffolk will be staging an exhibition and various activities at Bawdsey Manor over the weekend of 5 and 6 June 2010. For more information go to <http://bawdseyresearchstation.org.uk>

Members of the public can arrange to visit Bawdsey Manor for the exhibition on Sunday 6 June by logging onto this site. Please note that the Manor building and grounds will not be generally open on this occasion.

Entry will be strictly limited to people who have booked.

For more information:
Contact Dave Powis G4HUP
Email g4hup@btinternet.com
Tel 07777 648 488

Murray, G6JYB

RadCom and Practical Wireless

The June copy of Practical Wireless has a very nice photo of SEARS supporting the RSGB Spectrum Defence Fund with the presentation of a cheque to Philip Brooks, G4NZQ.

CARS are also featured receiving the Region 12 "Best Club Award" from Jeff Stanton, G6XYU with Philip, G4NZQ.

RadCom features CARS at IMD.

Reminder – Constructor's Competition

The next CARS Meeting is on Tuesday 6th July when we will be holding our Annual Constructor's Competition.

The winner will receive the M1FDE shield created in memory of Anthony Martin M1FDE, pioneer of the Personal Role Radio (PRR) used by armed forces across the globe. A keen constructor he passed away in 2008 at the age of 41.

CARS give away real money as prizes. £10, £7, £5, and £5 for 1st, 2nd, 3rd & First Time Winners Award, respectively. This is good money for your efforts.

If you built a radio on our Intermediate course why not enter that.

Basically anything entered can win (don't forget a house brick won in the 1980s) but there is a better chance if it is a) Safe; b) Connected with Radio; c) Electrical or Electronic or d) Interesting.

There's only a month to go so get your soldering iron out and get building.

73 Trevor M5AKA

And Finally:-

John G8DET edited this edition. Material by; Trevor, M5AKA; Steve, G4ZUL; Gwyn, G4FKH; Geoff, G7KLV; Peter, G1FOA; Mark, M0IEO, Ron Campbell, VA2RJC, Jim Salmon, 2E0RMI, Peter Franklin, G1FOA, Salvo, IT9AYD, Richard Lawrence, Murray, G6JYB and Ian, G0OZS.

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, 26th June.



John G8DET's BC929 Indicator Unit – see p4