

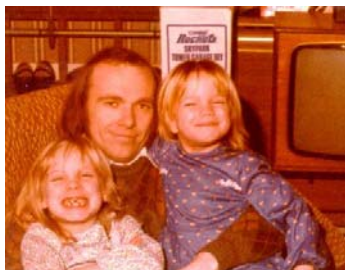
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CHRISTMAS QUIZ

In between all that low calorie healthy eating over the festive season try this:-

Name ALL the people below . . .

. . . AND the dates when they were taken



QUIZZES AND TALKS AND OTHER EVENTS

During 1999 ERG participated in several presentations at clubs, attended rallies, ran two extremely successful equipment sales, and sent a not so successful team to the Dengie Quiz. We will be updating our slides (and our quiz team) so if you want talks on repeaters, packet, computing, test kit microwaves or whatever, by all means ask us – we will be glad to participate

ERG COMMUNICATION CHANNELS

Secretary: Richard Merrell G4GUJ e-mail rpmerrell@iee.org

Packet Radio: ERG@GB7COS

Internet Website: <http://www.swsystems.co.uk/erg> – Includes the Updated Constitution

Regular news updates appear throughout the year on the ERG website, and on email and packet radio bulletins. Please contact our Hon.Sec. G4GUJ for more details

Frequency Bands:-

GB3DA 145.125 MHz Input, 145.725MHz Output Channel R5 (RV58)

GB3ER 434.675MHz Input, 433.075MHz Output Channel RB3 (RU246)

GB3CMS Microwave Beacon 10.36896 GHz (keeper - Clive Ward G1EUC)

Newsletter Editor: Murray Niman G6JYB e-mail mjniman@iee.org



Essex Repeater Group MILLENNIUM NEWSLETTER

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DEAR FRIENDS...

Sorry its me again - Just a few lines. I've had nearly a year on the radio, My wife's been driven round the twist with radios computers, and aerials. But she's taken it well. So just give a little thought to your wife, and also to be extra careful about your radios in your cars - I've heard of one or two that have gone missing.

LAST OF ALL A MERRY CHRISTMAS AND HAPPY NEW YEAR, FROM ME M1DTA BOB AND FAMILY

73, Bob Cheverall M1DTA

NEW SYSTEMS

The committee have been busy on technical matters this year. The most evident one to members so far was the switch of GB3DA to 12.5 kHz deviation. Not so obvious was that it is now run by a new spare logic unit constructed during the year.

Likewise much thought is being directed at the implementation of new 6m and 23cm voice repeaters. Both systems will use quality aerials and professional cavity sets. We even had to resort to digital mapping and GPS for their new sites to generate supporting data for the applications that will soon be on their way to the powers that be. What we do need are more 'engineers' as committee members spare time is limited

– Want to Help ?

SUBSCRIPTIONS REFORMED AT AGM

The AGM was held on Thu Oct-21 at the traditional venue of Danbury Village Hall. Most of last years committee were re-elected. The new committee thank Jan G7UVP who retired due to heavy commitments. Murray G6JYB was made an honorary member for his significant contributions over the past year, notably for the success of two major equipment sales which have greatly helped in the effort to fund kit for both 6m and 23cm repeaters. However we also have to consider how their running costs will be met. The aim of the new systems and the aim of a revolutionary Constitution change is to actively encourage a rise in the membership numbers:-

Subs have been held at £8pa with the reduced rate of £5pa maintained for novices. The constitution changes now mean that all subscriptions are now due and payable on a 12 month cycle and are no longer aligned to the group financial year. A member shall be deemed to have resigned if their subscription has not been paid within 8 weeks of its due date. The key measure is that at any time during the year at the committee's discretion, incentive and discount schemes may be employed assuming it has the prior approval of two-thirds of the full committee.

Details of such a scheme which we hope will make it worth being an ERG member is being worked on now and should be announced early in the new year. Your support is welcomed, especially if you get us some new recruits!

Tech Topics

DEVIATION PROBLEMS WITH REPEATERS???.

The first thing to do is find that manual that came with the radio when you bought it. It's probably thrown into the back of the cabinet some were when you open the nice shiny new box on purchase, and has never ever been taken out of it's wrapper in most case's due to your eager fingers assembling the radio on air to work the world - and sod the hand book who wants a bit of paper, "I'm an Amateur" I know what I'm doing. Well I've got news for you matey's, you do need the hand book for these new Radio's so I suggest you read them thoroughly before ringing the place you purchased the radio.

I will try and explain why you should read the manual. In most case's now new rigs have menus and you need to set up your RF Power, Bandwidth Filters, Frequency Stepping, and yes, Deviation. Some of the radio's now have Mic Gain Controls on the front of the radio and you can adjust to the correct Deviation any way, but you will always get one who thinks he is cleverer than the manufacturer. He adjusts the wrong thing without looking at the manual or circuit diagram, and then claims that type of rig is useless and he wouldn't buy another one. It's common place in the life of an engineer to come up against this type of person, But after few questions to said person we tend to believe in our own faith and put the noose away till the next phone call when we are likely to encounter the same thing again, But that's the life of a service engineer and we do get some laughs at the end of the day on some things we come across with customers, You notice I've not mention any names due to probably being sued by said customers but they know who they are bless there little cotton socks!

Now onto the problem of Deviation, this is usually caused by to much microphone drive on and cause's the radio to go into overdrive and if you are on most repeaters now days, It will clip your audio sounding like Norman Collier type speech, The best way to get over this is to find the manual and look for the "Dev" pot normally marked with a R10 or something similar. To find this look at the diagram of your rig and find the Mic Input socket and follow it back till you find the "Dev Pot" this is the one you will need to adjust slightly anti clockwise then try access to the repeater again. To go the full hog you would have to fit or replace the filters from 25kHz to 12.5kHz but at this point in time not many radio's can be changed. Most PMR radio's are already on 12.5 kHz as it is a spec they have to work to already. I now list a few rigs and the Deviation Pot Numbers, also page numbers to read and look for:-

YAESU FT-290R MK2	FM = VR2002 pot on main board marked FM Dev.
KENWOOD TH-77E	2 pots: VHF =VR3 , UHF=VR4 for deviation adjust.
KENWOOD TH-D7	Menu TX-Deviation page 51 owners manual.
KENWOOD TM-451E	In the "Menu" - page 25 in manual.
ICOM IC -706 and 706MK2-G	In the Menu page 25/page 23 filter setting
YAESU FT-100	in the Menu to set the Filters and Dev.
YAESU FT-736R	is adjustable from the front called "Mic Gain"also FM-N on front
YAESU MP1000T	is adjustable on the front called "Mic Gain" Filters set in Menu.
YAESU FT-50 and FT-51R	is the pot marked VR2001 on main board
YAESU VX-5R	is in the Menu.
YAESU FT-90	DEV and FILTER SETTINGS both set from the Menu.
YAESU VX-1R	DEV and FILTER SETTINGS both set from the Menu.

I hope this is of some help to you in adjusting your radio's to the correct Deviation settings, BUT I must ask you all to read your manuals first to confirm my information as not all radio's are the same. I will not take any responsibility for any damage done to your radio's. This information was purely to help you find the Deviation pots or give you a lead in the right direction.

73's FER NW DE ZIPY G4ZPE.

Bowling Results

ESSEX AMATEUR TENPIN BOWLING

I hope that everyone enjoyed the Bowling, 48 people bowling shows we still have a healthy interest in the event, and good to see that 20 were women!

Next bowl will be around May 2000.

John G1JIJ

NAME	1 st GAME	2nd GAME	TOTAL
Nigel G6ZVV	167	184	351
Steven (GNZ party)	151	190	341
Dodgy Dave G6HNI	171	163	334
Malcolm G3XVV	177	147	324
Stuart G7MTQ	113	165	278
Trevor (GNZ party)	112	162	274
Alan G0TTM	148	124	272
John G1JIJ	125	115	240
Tony G0JYI	130	109	239
Alan G0EGX	132	92	228
Bob G0RSW	99	128	227
Emma (GNZ party)	116	103	219
Dick G0ULU	109	107	216
Ron G0PJZ	114	100	214
Geoff G8GNZ	104	109	213
Jean Mrs.GNZ	71	139	210
Bernie G0ENN	102	106	208
Sandra (GNZ party)	115	91	206
Denise Mrs.JYI	105	100	205
Simon DCJ's SON	88	106	194
Kirsty (GNZ party)	116	77	193
Andy G0ENN's Son	86	101	187
Mick G6WCI	84	102	186
June Mrs.Vandriver	95	91	186
Ian Friend of G0JYI	90	96	186
Kevin (GNZ party)	101	84	185
Dave G7GVK	101	80	181
Laurie G0JAO	58	111	169
Steve G7RGG	76	92	168
Hannah G7RGG Dort.	95	72	167
Jan Mrs. G0PJZ	89	77	166
Liz G1JIJ party	75	84	159
Kelly With G0ENN	83	75	158
Mick (GNZ party)	58	100	158
Annette Mrs.G0TTM	77	79	156
Susan Mrs. MTQ	79	76	155
Roy the Boy	85	68	153
David M5 ADX	65	97	152
Joy Mrs G0ENN	62	89	151
Holly With DCJ party	71	75	146
David M1 DCJ	75	54	129
Rosie M1 ART	54	72	126
Jackie with G0RSW	69	57	126
Gerry with G1JIJ	49	72	121
Jackie Mrs M1DCJ	65	54	119
Becky GNZ party	59	53	112
Cath Mrs ULU	44	55	99
Jeanette M1 CKG	56	28	84