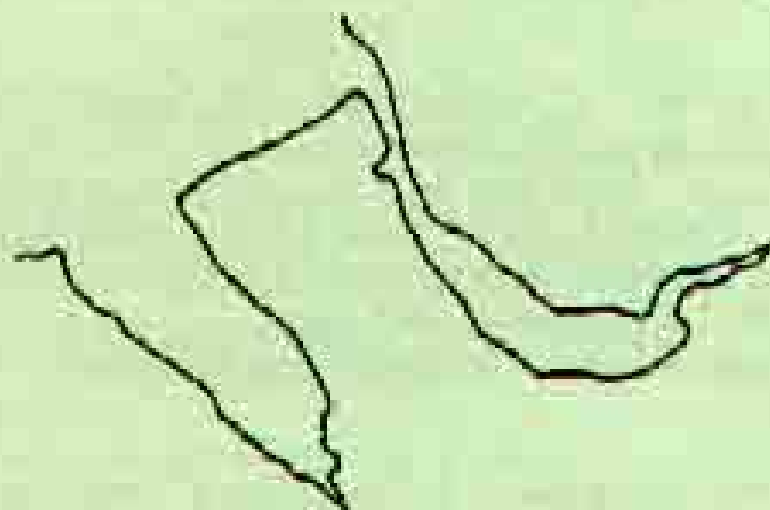


ANNUAL

325

SPRING



WIRRAL AND DISTRICT
AMATEUR RADIO CLUB

G4MGR - - - G8WDC

CLUB EVENTS 1985

All dates are Wednesday, 8.00 for 8.15pm. at Irby unless noted otherwise. D&W = Informal 'Drink & Woffle' at a pre-arranged pub, from about 9pm. onwards.

MAY

- 1st. D&W @ The Eastham Ferry Hotel.
- 4th.&5th. Weekend 432 - 24GHz Contest. Club Entry.
- 8th. V.E. Celebration Special Event Station GV4MGR.
- 12th. Sunday.D.F. Hunt No. 2.
- 15th. D&W @ The Basset Hound, Thingwall.
- 22nd. RSGB Video show, followed by GB2IWF planning.
- 25th. to 27th. Late Spring Bank Holiday. Special Event Station GB2IWF at Ellesmere Port Boat Museum.
- 29th. D.F. evening practice event. Heswall at 7.50pm.

JUNE

- 2nd. Sunday, DF No. 3. CHANGED TO 15th. JUNE.
- 5th. D&W at The Greave Dunning, Greaby.
- 8th.& 9th. Weekend. 1296 and 432 Trophy Contest. Club Ent.
- 12th. Visit and Talk by Bert Donn G3XSN, RSGB Regional Rep.
- 16th. Sunday D.F. Hunt No. 3, from 2/6/85.
- 19th. D&W at The Telegraph, Wallasey.
- 26th. The Eileen Medley Challenge Cup DF Hunt. 7.50pm. IRBY.

JULY

- 3rd. Annual BBQ on Heswall Shore. Eight 'till late.
- 6th.& 7th. Weekend. VHF NFD. Club Entry.
- 10th. Talk on RAYNET, from Alan Smith G4EFP, Group Ctlr.
- 14th. Sunday DF Hunt No.4. Heswall Lay-by 2.45pm.
- 17th. D&W at The Lighthouse, Wallasey Village.
ALSO Ladies Night - Orchids - at Irby C.C.
- 24th. Visit to IBA Transmitter at Moel-y-Parc and GB3MP.
Depart Irby C.C. at aprox. 7pm.
- 27th.&28th. Weekend. 432/144 Low Power Contest. Club Entry.
- 31st. 'Revenge' DF Hunt for the G8PMF Rose Bowl. Heswall 7.50

AUGUST SEPTEMBER OCTOBER November and December provisionals.
Dates inside back cover.

WIRRAL AND DISTRICT AMATEUR RADIO CLUB

THE COMMITTEE

FOR 1985

CHAIRMAN	PHIL LANGFORD	G6SNO	051-677 1947 652 2596
TREASURER	PAULINE ROBINSON		051-648 5892
SECRETARY	GERRY SCOTT	G8TRY	051-630 1393 227 1018
PUBLICITY MANAGER	PETER MORTON	G6CGJ	051-677 7376
ACTIVITIES MANAGER	PAUL ROBINSON	G6JZP	051-648 5892
SOCIAL MANAGER	FRANK KNEALE	G4DBG	051-339 9623
NARSA REP.	ALAN SMITH	G4EFP	051-645 3826

CLUB MEETINGS

Meetings are normally held on the second and fourth Wednesday in each month, at Irby Cricket Club, Mill Hill Road, Irby. The Clubhouse of Irby C.C. is just off the main road between Irby and Greasby, about half-way along on the easterly side of the road.

PLEASE park on the top car-park and walk down, thus leaving the very limited space by the clubhouse available for the bar-staff, unloading by guest speakers etc. and not forgetting the disabled.

DO NOT PARK ON THE DRIVE --- IRBY C.C. REQUEST.
They know from experience that an ambulance cannot get past on the drive.

CLUB NET FREQUENCY IS 145.325 Mhz.

The net frequency on S.13 was decided upon in 1980, as being otherwise completely dead in this area. The Club assisted the purchase of crystals for rock-bound users (as most were). Please maintain activity on .325. Remember, use it or lose it. It is in grave danger of being 'pinched' for another net because of lack of activity. Get in there first, so as you can say "Yes, this frequency is in use, and has been for a while, by the W&DARC."

AIRWAVE 325

Airwave 325 is the periodic newsletter of this Club, and is published two or three times each year as events and articles dictate. Articles for inclusion and members ads. etc. are always welcome.

Produced on behalf of the Club by -

The Secretary, Gerry Scott, G8TRY,
19, Penkett Road,
Wallasey,
Merseyside.
L45 7QF.

YOUR SECRETARY SAYS -

Welcome to another edition of Airwave 325. (thinks- I must come up with a more original starting line.) As usual, it's a bit later than expected. Also, it's a bit thinner than usual, and it contains a little more material that has been 'borrowed' courtesy of other publications. To be precise, there are just 5½ pages of material directly contributed by club members that are of a truly original nature, most of which is of a report nature, but written by just four people. In addition though, these people and others have re-discovered some items that I have used, and appropriate credits are given. A number of our members now know better than to ask me when Airwave is coming out. All I have to do is ask them if it is because they want to insert an article.... If every member could provide just half a page each, per year, then there would be no problem in filling two editions of Airwave, and quickly, too!

Some things never change, do they? Well the filling of is just an example. However lots of things do change. Forgetting for a moment events such as the Class B Morse experiment, you would think that more of our members are carrying rigs in the car or in their pockets, ready and in use on the way to work or the club or the D&W; just think of the size reductions in the past couple of years. One would think that more of our members -that's you- would be in operation say to and from the club. O.K., perhaps not operating, but what about listening, ready to come back to an open call on the net frequency? Have you tried it lately, because I certainly very rarely hear or work anybody going to or from the club. So, let's start a campaign on the following lines - 'Every licenced member of the club shall use his/her 2m txcvr. on the way to and from the club, D&W, and work, on .325 as much as possible on each occasion and for an experimental period commencing on 1st. May 1985.' When the club had about a third of its present membership, five or six years ago, crystal controll ruled nearly every set. Portables were more like small black handbags, even the first of the synthesised with its one-watt output, and most permanent vehicle installations were Cambridges or the like.

Thinking back to those days, it was quite normal to work four or five of the others, and perhaps as many as nine in the mobile net, and on Sunday mornings, thing were different as well. A quick listen around the bands was followed by listening to the GB2RS News, if the weak signal from G3LEQ could be heard at 10.30, and then followed the chat with the locals until lunchtime. You could stay on S21 if you wanted, as that was the last news broadcast of the day, but most of the club members could be found on S8 afterwards. Crystals for anything but S8, S20 to S24 and S32 were very expensive to obtain, as they were specials. Probably about the same numbers of crystal sets are in operation today, but the numbers of amateurs and synthesised rigs has increased, to the point where most people can go anywhere in the band. This in turn tends to cause some operators to think that the distant end can do likewise, a similar situation to checking if the frequency is clear at only one end without taking into account the antennas and geography situation at each end.

So remember that an oddball frequency for a rock-bound rig could cost in the order of £5 to £12, and so it is reasonable for the owner to want to use the available channels to their best advantage. The same argument applies to equipping any channel for a special reason - a net freqs. for example such as .325. - which I for one would not like to change. Stick with it. Use it.

Any way, if you fancy a change then don't QSY if you are a class 'B', or anything else, but have a go at some morse with your fellow members. Naturally the committee has changed for this year, but I'm still here, and so are a lot of the usual good things on the club calendar for you to join-in.

See you down at the club and on the air .

AIRWAVE SUPPLEMENTARY INFORMATION

As you can see, the delay in producing Airwave has exceeded even my expectations this time. The 'time window' that I had allocated to produce it in expired rather abruptly at the beginning of May when the workload associated with the Waterways Festival swamped just about everything else because of unforeseen circumstances. This, together with the more urgent matters of running this club, took far more time than the usual hour or two on a few nights a week routine. A few of the less urgent matters were left outstanding but the production of this Airwave stayed a high priority. At one stage we even considered scrapping this edition and providing an 'Update' instead, just so as our members could be kept up to date. The only redeeming factor against doing this was the fact that the club meetings have been well reported in the amateur radio monthlies, and on GB2RS News - so there should have been no excuse for not knowing what was going on if you had not made it to the meetings of late.

IN BRIEF

April saw an excellent and well attended slide show and talk on 'VHF in small boats' from Keith Ford, G4ZKF.

The first of the Sunday D.F.'s started with a reasonable turn-out. John G8UZZ was the fox, who took a bit of finding in his Bidston Hill lair. Some say he was too far from the road, but he could be seen from the road quite clearly. For those who took a torch, an interesting tour of the lair followed.

The month ended with a very good, well attended and well planned Mobile Treasure Hunt, thanks to Paul G6JZP. Everybody completed the course, some with minor assistance, and most brought back the required 'proofs'. We must be a very tidy lot on the Wirral, as one of the hardest things to find was a bus ticket with to-day's date on it. This one brought some novel solutions. However, Paul had to take a few comments when he wanted to know whose bus stopped where!

May. What a month, I thought it would never end. Well, it started with a bit of confusion on the 1st. We had reached the stage where Update had run-out, although most people did know about the D&W at Eastham Ferry which, so I am told, was a beautiful evening, due to the location and the weather plus the company. Also planned on that night, at quite short notice, was another Ladies Night at Irby, and was a cookery demonstration. This involved some of the menfolk who would have been at the D&W and had to drive their good ladies to the club, or even had to stay in to baby-sit. Also on that night, Phil G6SNO and myself were giving a talk on DF techniques. As it turned out, everybody had a good evening, somewhere!

The night on the air, planned for the 8th. turned out to be a full-blown Special Event Station, callsign GVAWGR, to celebrate VE Day. Over 300 contacts were made to all parts of the World. The newly acquired G5RV gave a good account of itself from the club, and 'two' got up and down the country with no difficulty, even under flat conditions from that location.

The second Sunday DF hunt was good but poorly attended, however there was quite a good turn out for the two RSGB videos "The World at their fingertips" and the "W5LFL Space Mission". Both excellent. Following this, some final details and plans were put forward for the next big event, GB2IWF.

The second Special Event Station of the month - three days over the Bank Holiday weekend that took a awful lot of planning and effort and co-operation. It was a great success, an excellent display and made many contacts. Further details inside.

The month finished with the evening practice DF hunt, taking many teams to a well hidden lair in Eastham Woods.

First meeting in June was an excellent and amusing talk from the RSGB RR 1, Bert Donn G3XSN. What a pity so many members decided to give it a miss, and gave a bad example of our usual audience, although things improved later in the evening, and interesting and varied conversation took place.

G8TRY.

CHAIRMAN'S REPORT

Welcome to another edition of Airwave 325. I hope that we find you well at this time and enjoying your hobby.

1985 I feel, has got off to a good start so far as the club is concerned, with many different aspects of amateur radio being explored. It is very difficult to try and decide what you, the members, would most like to see happening. This is why we have a variety of events, talks etc., planned for the rest of the year. If you have any ideas that you would like to see implemented, then please let's hear about them.

I am sure that by now you will have heard about the variation for class 'B' licence holders, enabling the reception and transmission of morse. To assist with this experiment, a regular "sked" is now on .325, using speeds from very slow up to 12 wpm. and beyond. So, if you would like to join in, please feel free. Days and times are as follows;

Sunday, Monday, Friday. 8.00 p.m.

Wednesday. 7.30 p.m. (on non-club nights only.)

The 40th. anniversary of V.E. Day is now rapidly approaching, and as a club we intend to celebrate this. As long ago as last November, we planned to have an 'evening on the air' that night, just in case any special stations might be on. As it turns out, the DTI are allowing the use of the 'GV' prefix for special event stations celebrating that week. Therefore, we shall be running a special event station from Irby, and GV4MGR has been booked. We intend to put on an HF and a VHF station at the club on Wednesday 8th. May. So if you can, please come along and join in. If you can't make it, then don't forget to give us a call.

We now have a fair size team together for our other special event station, GB2IWF, to celebrate the Inland Waterways Festival at Ellesmere Port boat Museum, late Spring Bank Holiday, May 25th. to 27th.. If you are available at any timethen, please let me know, as all help would be appreciated.

Finally, .325, our long established net frequency, is now in use quite a lot of the time. Unfortunately, this usage is coming from complete strangers. We warned you - use it or loose it. So please, use .325 as often as possible.

Thanking you in anticipation of your support.

73's Phil G6SNO

CONTEST REPORT

As a club we are doing very well indeed with contests. However, one or two of our regular group have moved to pastures green. Any help is always appreciated, and if you feel that you haven't had any experience, then we will do all we can to help. It is good fun, so if you would like to have a go, please contact me.

It would now appear that for VHF Field Day this year, there will not be enough people to operate the four stations as planned. So, we are now considering joining forces with the other group that use our regular site, at Llangollen. The other group are from Cheltenham and the surrounding area. They also have a problem with manpower.

Now to some of the contest results

CONTEST RESULTS

August 1984	1296 / 2320	6th.
September 1984	144 Trophy	16th.
August 1984	144 Low power	12th.
August 1984	432 Low power	6th.
September 1984	70 Mhz. Trophy	4th.
October 1984	432	6th.
October 1984	1296	5th.
October 1984	70Mhz. fixed	2nd.
November 1984	144 CW	4th.
Oct/Nov/Dec 84	432 Cumlatives	2nd.
Oct/Nov/Dec 84	1296 Cumlatives	3rd.
December 1984	70Mhz. CW	FIRST Note
February 1985	432 Fixed	FIRST Note

Note: Single operator entries as club callsigns are excluded from entering. GW6SNO/P and G6SNO/A were used.

73's.

Phil, G6SNO.

FUTURE CONTESTS WITH CLUB ENTRIES

May 4th.-5th.	432-24 Ghz.
May 19th.	144 & SWL.
June 8th.-9th.	1296/432 Trophy.
July 6th.-7th.	VHF Field day.
July 27th-28th.	432-144 Low power.
August 18th.	1296/2320
September 7th.-8th.	144 Trophy.
September 22nd.	70Mhz. Trophy.
October 5th.-6th.	432/24 Ghz.
October 27th.	70Mhz. Fixed.
November 3rd.	144 CW
December 1st.	144 Fixed.
December 15th.	70 Mhz. CW.

Divorce proceedings in January??

We are pleased to announce that we shall be providing a special event station at the International Waterways Festival during the late Spring Bank Holiday in May.

The Callsign will be GB2IWF and a sketch of part of the QSL card is shown on the right.

Operation will be on HF and VHF mainly, with some local UHF work. It is hoped to operate and demonstrate ATV and RTTY to the visitors as well as phone and CW. It is expected that a number of visitors with boats will also have interests in amateur radio.

We expect to be operational even after the 7pm evening closing time, when some 'real' operating can take place. This is the time, so we are told, that the people with boats can relax and enjoy themselves, and when long-lasting friendships are made.

On our site, we shall be assisted by members of Ellesmere Port Radio Society and an exhibit will be provided by Wirral Raynet Group. We shall also be selling RSGB books at rally prices. Come along - we will need your support.

THE FESTIVAL

The International Waterways Festival 1985 is being organised by the Inland Waterways Association, a registered charity. This rally is one of a number of similar events being organised throughout the country during this summer. The Association campaign for the restoration, retention and development of the waterways in the British Isles and their fullest recreational and commercial useage. Apart from the Boat Museum itself, one of the focal points will be the Trade Show for the manufacturing and distribution industry, as well as the section devoted to local trades and craft.

THE MUSEUM

The Boat Museum, which has now been recognised as the National Waterways Museum for this country, is located in the old dock complex at Ellesmere Port, where the Shropshire Union Canal joins the Manchester Ship Canal, on the southern bank of the River Mersey. This is about six to eight miles to the south-east from the site of last years International Garden Festival and the Cutty-Sark 'Tall Ships Race' starting point.

Over the last few years, this complex of basins and warehouses has grown significantly. There are a number of indoor exhibits telling the stories of the canals, the boats and the people who lived in them. There are steam engines, boat trips, a shop, a cafe, craft workshops, an Educational and Conference Center, traditional cottages and many more facinating attractions that go to make-up this working museum.

THE LOCATION.

The Museum is situated adjacent to junction 9 of the M53, the Mid-Wirral motorway, and the site is signposted. The M53 is easily accessed from the M6 via the M56 or M62. It is only a five minute walk from Ellesmere Port railway station. Bus route C3 between Chester and Birkenhead passes close-by. There is ample free car and coach parking, with an overspill carpark at the nearby Vauxhall car factory and a shuttle bus facility. Arrangements have also been made for visiting canal boats to moor on site. (300 boats expected.)





A photo that you may have seen before, taken in February.
Full pictures and report of the IWF in the next issue.



The Wirral section of the Raynet stand at Belle Vue.

RAYNET

RAYNET on Merseyside continues to flourish with groups now firmly established in St. Helens, Southport, and Liverpool as well as on Wirral. The forthcoming 'Summer' season of marathons and charity walks looks being busy on both sides of the river, commencing in early May and running through to September with the Mersey Marathon in Liverpool. Merseyside County Raynet now has its own callsign - G1MCR.

This year really started with the Belle Vue rally in March, where St. Helens and Wirral groups provided excellent displays. All those who saw the stand will agree that it was very 'illuminating', with thanks to Alan G4EFP.

Back to Wirral, and in spite of much re-building activities at the YMCA, we are assured that our H.Q. is still intact and will be available for us shortly. The Group have now purchased both 2m. and 70cm. base station equipment which will hopefully be operational in the near future, at the H.Q., together with the teleprinters which the C.E.P.O. has just obtained for Raynet groups on Merseyside.

At the recent A.G.M. of the Wirral Group, the existing committee was voted-in with one exception, such that Rick G6LKI, now becomes Deputy Controller. Subscriptions are now due (effective from 1st. April) so anyone who has not renewed their membership should do so as soon as possible - contact the treasurer, Mike G6HMD.

Not only do we need as much financial support as possible, but physical support is urgently required in the form of new members as well as existing ones. So, if you are interested in Emergency Communications, come along to our monthly meeting on the first Thursday in each month, at 7.30 pm., at the YMCA in Wheatstone Lane, Birkenhead. You will be most welcome.

Finally, don't forget the net nights on the 10th., 20th., and 30th. of the month, on 145.200 Mhz. (S8) at 8pm. (N.B. Net may QSY on Mondays or Thursdays due to existence of WSO net on those nights.)

If you require any further information, please contact the Group Controller for Wirral, Alan G4EFP, his deputy, Rick G6LKI, or myself.

73

MIKE G8RXB

Merseyside County Controller.

There is no charge for joining RAYNET (all we ask is a commitment to participate actively) but most local Groups ask for a small annual fee to cover their expenses, and Wirral Raynet Group is no exception.

For individuals to be effective Raynet members, it is important that they identify themselves primarily with the Group that registers them. The Raynet members registered by a group will be linked to that group for all national Raynet membership purposes. As a member of a local Group you will have the opportunity to learn and practice the formal message handling procedures used by the User Services.

Membership registration/renewal cards are dealt with by the Controller or the designated Memberships Officer who for Wirral is Gerry Scott G8TRY.

FOR YOUR FUTURE ENJOYMENT

Background information to future events.

With so many events taking place, it is hard to try and pick the best - BUT have you noticed that the club has some form of activity on about 90 to 100 days per year? That's about 10p. per occasion at present sub's levels, making your club one of the cheapest ways of enjoying the hobby.

For a start, how about trying a new venue for a D&W? The Telegraph in Mount Pleasant Road, Wallasey for example, which has a beer garden so that you can sit and sup your ale until after the sun sets.

As Wallasey is one of the main areas of our membership, could some of the Heswall members try this side please? The larger gatherings tend to happen in the area of mid-Wirral and Heswall, and some of the lads have expressed concern at having to do all the travelling.

The ever popular 'Eileen Medley Challenge Cup' D.F. Hunt takes place, as usual, at the end of June, but please note that the event will start from the Irby C.C. car park for a change.

Even more popular is the Bar-be-que on the shore. Always well attended (and that does NOT mean that there will be enough there without YOU) and enjoyed by all. The ladies really do put a lot of effort into this very friendly evening, and everybody gets plenty of food., but bring your own liquid refreshment though. Would you please let Pauline know that you are coming, so that we can arrange enough food, which is £1.50 per head this year. The location is on Heswall shore at the bottom of Delavor Rd. or rather its' continuation into Banks Rd. At the bottom there is a car-park and toilets, close to the G3RLA QTH., Take the path from the car-park around the field and across to the shore.

Radio communication in an emergency, and the training that it needs, are what RAYNET is about. The Licence changes in the past couple of years have been mainly to allow greater use of amateur radio under these circumstances, as opposed to the frequency changes in the Schedule. If you are not convinced of the usefulness of this yet, then let RAYNET show you what it can and does do. Your hobby could save somebody's life.

The ladies night, on orchids, will take place at the club as usual and on another otherwise D&W evening. Don't let this stop you from taking the YL to the club and then going on to the D&W, which is a pleasant drive away at the popular Lighthouse in Wallasey Village and only 15mins. drive from Heswall. Future evenings like this will have the D&W near the club. The ladies prefer this idea to one where the men stay at the club. A reliable source of information says that they like to talk about the men behind their backs - so no secrets lads!

Next, an outing, a VISIT to the IBA Transmitter and the amateur repeater at Moel-y-parc, with a tour of both stations. Depart from the club at 7pm. So that suitable arrangements can be made for transport, would you let John G8UZZ or Gerry G8TRY know that you want to go. Depending on numbers and availability of certain vehicles, we may use anything from a 56 seater down to a mini-bus or even four to a car in convoy. Refreshments will be taken on the return journey.

Your last chance for points in the Sunday D.F. series is in August, but even if you know you can't win please take part for the fun of it. You may even help to swing the end results for some of the intermediate contestants by your position.

August is also the time to sort out your drawers and to find all your surplus equipment that others may put to good use, and put some coppers in your pocket.

11

While you are searching through your junk, don't get so engrossed that you can't make it to the mobile treasure hunt. This one is being thought-up by Eric G4HWD. It should not take you very far away from Irby (you won't have to go to Wallasey) and there are about four clues to the mile with articles to be collected en-route. Eric has also agreed to do another, longer, treasure hunt in September on a Sunday afternoon. Like most Sunday afternoon events, this is also one for taking the family along. There could even be a rather unusual twist to this one.

Although the evening and Sunday D.F. hunts will have finished by the middle of August, just for a change we will have a D.F. hunt in September. So what's new? you may ask. The answer lies in the fact that this one will be on 70cms. and on a Sunday afternoon.

Just to prove that September is not all D.F. and treasure hunts, there will be another VISIT for members. This one is to look at some of British Telecom's equipment at Birkenhead Telephone Exchange and to see the Auto/Manual Telephone Exchange where operators handle assistance and emergency calls on Wirral. The QS The QSY and the D&W will both be at the same location for a change, in The Angel which is located on its own near the visit location, between Conway St. and Marion St. and close to the fly-over. Once again, another new D&W location.

All the summer months will see a lot of people going out and enjoying some of the more fun events that are possible with radio during the summer. On a more serious side, the contests still go on, very successfully, at the rate of one or two a month. Don't forget that the lads who go up the Welsh mountains in all weathers need support as well!

Now for some more serious events that will bring equal pleasure and enjoyment.

September 4th. Our Club has been invited to the first round of an inter-club QUIZ with the Wirral Amateur Radio Society, at their QTH in Heswall. The return match is scheduled for early next year at our club. Get your thinking caps on lads. Don't be a boy wonder, ie. 'I wonder who is going to be on the team?' or 'I wonder who is going to write the questions?'. Try offering your services.

Following on from the quiz, the Wirral Amateur Radio Society will be our guests when we have a DEBATE in October at our club. That should be a really good evening, as was last years event, but with the added ingredient of outside views as well.

The last formal meeting in October will be for the judging of the "Home Construction Competition". Can anybody do better than Dennis did last year, or will he win again with another project? Now is the time to get going, and with a different way of marking, YOU could be in with a good chance. The 'Ladies Night' on the 30th. is on decorating Fabergé Eggs, and the D&W is near-by at the Irby Mill. (Got it right this time.)

"UPDATE 325" will bring the latest information on these events to you, plus any changes, and fill in the gaps that at the time of writing have been planned but not yet confirmed. The next "AIRWAVE" is scheduled for early November. Contributions for either or both in plenty of time please.

THE SOCIAL AND PRESENTATIONS EVENING
Wednesday, 13th. November.

We have great pleasure in being able to announce that the Guest of Honour for the evening will be Joan Heathershaw G4CHH, the President of the RSGB. Our other guests will include Basil and Eileen O'Brien, and Bert Donn (RR 1) As well as presenting the club trophies, C&G RAE Certificates will also be presented. There will be a buffet, a raffle and guests from other clubs.

LADIES NIGHT

On February 20th. the ladies of the W&DARC together with some ladies of the Cricket Club, got together to have a good natter and pull their men-folk to peices. I was surprised to find that most of the wives were not anti-radio really, but we just like to moan, as many of you men will agree.

The evening got off to a grand start by plodding through the snow and helping to carry all the equipment Mrs. Manners had brought. After we had thawed-out, Mrs. Manners proceeded to give us a talk about the origin of corn-dollies. After she had demonstrated how easy it was to make a simple (so she said) corn dolly, we proceeded to tie ourselves in knots making one ourselves. There were a lot of cries of 'help ! How do you do it?'.... It looks so easy when she does it! All in all, there were some pretty good corn dollies made.

The evening was rounded off with a serving of lasange, followed by trifle. A raffle was held, and one lady was very naughty by claiming a box of chocolates as a prize (she knows who she is).

It was very pleasant evening and it was nice to see so many radio widows who you don't normally see. I am pleased to say a profit of £13.05p. was made, which will be put into our club funds.

One final note I would loke to say 'Thank you' to Heather Kneale and Jan Langford for their help and also for providing some of the food.

Pauline Robinson.
(Treasurer)

SPECIAL NOTICEANOTHER LADIES NIGHT

We will be having a cookery demonstration at the Cricket Club on Wednesday May 1st., starting at 8.00pm.

There will be a nominal charge of £1.00 per person to cover the cost of materials and, after a raffle, we will be able to sample the results.

Please contact Pauline Robinson on 648 5892 or in person on any of the Wednesday club-nights, but not at D&W's.

Hope to see you soon.

Pauline.

LATE NEWSANOTHER TWO LADIES NIGHTS

17th. July. Orchids.

30th. October. Faberge Eggs. (Decorating)

Contact Pauline as above.

D&W's continue as published.

COMPUTERS - RFI

G6EJD

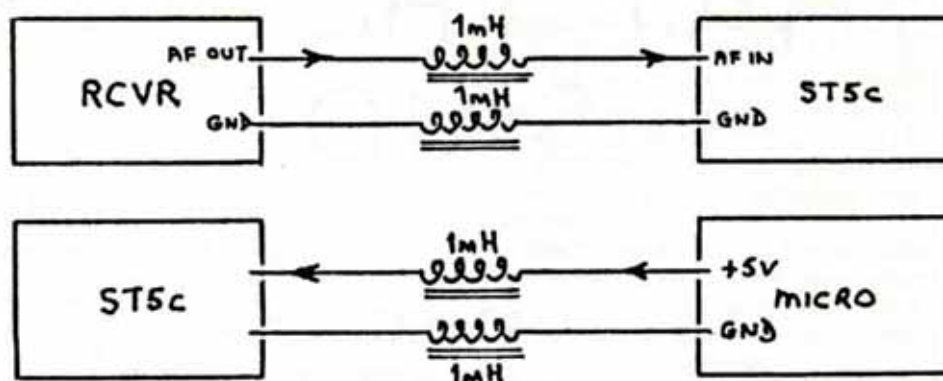
P11n

REDUCING INTERFERENCE

The first problem concerns the ST5C RTTY Terminal. The DC-DC converter within the ST5C, contains an inverter and this being a form of switching oscillator, naturally produces noise. However it would be very nice if the noise wasn't wideband across the hf spectrum.

The second problem concerns noise from COMPUTERS. These are more devices, which like the DC-DC converter mentioned above uses fast switching currents in their operation and therefore produce harmonics which effects the operation of other equipment within the shack.

In both cases the use of a 1mH choke in the connecting leads had the most effective way I have found of reducing this interference see below:



The ST5C case is not earthed, as it is not connected to the mains, but some of the screened leads may make it earthed when connected to other equipment. So alter this, this may involve removing jack or phono sockets, and putting in a rubber grommet instead, so that a 1mH choke is in both the signal and the ground leads.

On Commercial computers, they often use a 2mH choke in both the live and the neutral mains leads for the same reason. The chokes have little effect at the audio frequencies we use, for at the highest we are likely to run into of 2125Hz, the insertion loss of a 1mH choke is only around 14 ohms.

D. Bird,

The 1mH chokes are available from the usual sources, including RS Components, but in case of difficulty Peter Adams, our component manager will know where to obtain them.

STAFFORD EXPRESS + STAFF 21/1/85

Over and out, vicar

A CB radio vicar known as "dog collar" has been banished from the airwaves — for broadcasting his Sunday services over the radio.

The Rev. Geraint Hughes was sent into the radio wilderness after an investigation by the Department of Trade, which controls the CB craze.

It seems that hymns such as Abide With Me and other favourites at his Welsh Church in Llandrindod Wells

hit the wrong note with the watchdogs.

Now he has been barred from sending out his live church performances — and there will be no show this Sunday.

A disappointed Mr Hughes said he started his broadcasts only to help those who could not get to his church, such as the old, the disabled and shift workers.

But he fell foul of the civil servants because the rules say that music cannot be broadcast over Citizen's Band.

Mr Hughes, who also carries a CB radio in his car, said: "I don't think we cause any problems and we certainly have not received any complaints from other CB users."

"But I think it is pretty clear that we are exceeding the strict interpretation of CB radio."

A Department of Trade spokesman said: "The CB radio was intended as a personal speech radio, not as a broadcasting system. Certainly, the playing of music is prohibited."

WHAT THE PAPERS SAID

No licence for CB radio

A lorry driver who used a CB radio in his cab without a licence was fined £40 with £30 costs by magistrates at West Bromwich.

Kenneth Wright, aged 46, of Adshead Road, Dudley, admitted fitting and using the set without obtaining a £10 licence.

The court heard the offence followed a spot check by the Department of Trade and Industry in Leicestershire.

Wright said he mistakenly thought his wife had bought a licence.

Fighting for air space

THE newly formed Despatch Association is going all out to fight for more space on the air waves for Britain's despatch companies after the first committee meeting last Thursday.

The 50 company strong association is set to tackle the Department of Trade and Industry over the DTI's refusal to allocate more radio licences to despatch companies.

"This restriction is preventing companies from either setting-up shop or expanding," said a spokesman for the association.

Newspaper from the relating my enforcement in January

Battle

More than 70 pirate stations were broadcast in Britain last year — and the best established pirates is one in the Midlands.

Trade and Industry junior Lord Lucas of Chilworth, has said that the Radio Investigation carried out 60 raids on pirate stations since last June and more are planned.

9-1-85

MCN 9/1/85

Warning on theft

A warning went out today to thieves who stole 36 transistors from a van in Walsall — they could be dangerous.

If the grey or white metal cases containing the three millimetre diameter transistors are cracked, they will leak a toxic chemical, said Superintendent Barry Downes.

The transistors, which belong to Pye Telecommunications, were taken from a van outside their factory in Penkridge Close on Saturday night.

"We urge parents to tell their children not to touch them," said Superintendent Downes.

Lecturer wins top radio award

Birmingham "ham" Peter Best has tuned in for a top radio amateurs' award.

The Aston University computer science lecturer has been honoured for a year of outstanding service to the emergency network RAYNET.

It is on constant standby to give voluntary assistance with communications in event of a major incident.

Dr Best has received the 1984 RAYNET trophy from the amateurs' national body The Radio Society of Great Britain.

Dr Best — callsign G8 CQH — led teams which converted an old ambulance into a forward communications vehicle and produced a standard interconnection scheme for transceivers.

He prepared a video lecture with Aston on theory and practice of the system and also presented a paper to an international conference.

When not communicating over the air waves Dr Best does so from the stage through a performing interest in amateur theatre and light opera.

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G8TRY

21/1/85
16/1/85

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Lord Lucas said the provisional figures for last year from the Investigation Service suggested that more than 119 transmitters had been found — 50 were unmanned — but there had already been 43 prosecutions.

The investigation team believes that many of the pirates go back on the air after replacing their equipment.

Lord Lucas said the pirates were not only unfair competition for legitimate

broadcasters.

The illegal stations could, and frequently did, cause annoying interference to radio and television and that interference involved the police and other emergency services as well as public and transport services.

There had also been interference to aircraft navigational aids.

The Government was not prepared to allow illegal broadcasters to flout the law and the work of the Radio Investigation Service would be stepped up, he said.

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GSTRY

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116 'UZU In Ammeland'

G3RWL/G4BDY

A few additions to "uzu in ammeland" courtesy G3RWL/G4BDY.

AARAYEE: ancient amme initiation ceremony.
 AMMESATT: escape organisation for mechanical ammes. Have been known to manufacture customers when others not available.
 AYREELS: frequent subject of amme experimentation; usually terminated by gravity or local Elders' cries of OISHIFTIT and AVALAWONYOU.
 BAARTAGG: dominant body controlling ammes who persistently push more than 30 buttons during KUSOS.
 BEER: essential lubricant for ammes, especially those speaking PHONEY. Reputed to flow in rivers to amme festivals.
 CHIPS: basic diet of KONSTRUKTA; lifetime measured in MINNITS.
 DAYTER: language of the past used by KOMPEWTAS. It's age is readily shown when it is referred to as "pieces of eight" and it occasionally contains parrot bits whereas modern languages, due to inflation, contain pieces of 16 or 32.
 DEE-EKSEEESEE: holy grail of KLARSAYS.
 DETEAYE: disguise currently being used by O'Moffis.
 EKSWYELS: elders of the WYEL tribe who sometimes control weaker ammes with fearsome weapons such as MUMINLAW, EDDAKE, ORELSE, and NOSUPPER.
 GOOD BUDGIES: inferior tribe from SEEBEE. Their conversations usually consist of phrases they have heard and not understood. Their Gods are TENFORE and KOPPY.
 INGLISH: tongue occasionally used to NAYBERZ by gifted ammes.
 KEWTEE-AYCH: outer area commanding approaches to SHAX, controlled by EKSWYELS.
 KOMPEWTA: mechanical slave activated by ammes, mainly for GAYMZ, but occasionally for something useful.
 KONNTEST: war between neighbouring amme tribes fought out in muddy fields. (see also ENEDDEE)
 KONSTRUKTA: rare amme animal. Spends it's life burning its fingers and visiting RALLYES seeking BAR-GINS (whatever these may be).
 KREEDSEVVERN: enormous engine designed to demolish KEWTEE-AYCH, combat EKSWYELS and induce frenzy in NAYBERZ.
 LOTSAWOTS: lifetime ambition of most ammes.
 MAWSETEST: feudal ceremony to initiate inferior amme to god-like status of KLARSAY; many are called, few are exalted.
 MOWBYLE: technique whereby ammes learn the art of weaving MIKELEAD around STEARYNGWEEL.
 MULTYPAL CHOYCE: art of flipping five-sided coin.
 OSKERS: mechanical ammes who seek temporary escape from O'Moffis by flying at high altitudes.
 PYERATTS: pseudo-ammes. Illegal immigrants.
 RALLYEE: amme festival; to celebrate invention of BEER.
 RAYNETT: ammeland's doom-watchers. Always preparing for emergencies that never happen. Often displaying placards foretelling the end of ammedom.
 RAYRE DEE-EKS: amme living outside range of local RIPITA.
 RUBBYSH: relics revered by ammes; purchased in large quantities at RALLYEES.
 TEVEAYE: sworn enemy of ammeland's existence. Usually ruthlessly hunted down/dispersed; occasionally worshipped.
 WYELS: sworn enemies of ammedom. Unpredictable tribe who have turned many young ammes from the path of true happiness. Currently trying to infiltrate ammeland.

FROM 'DATACom'

WELCOME

To two new members,

Janis Langford, of Greasby, and wife of G6SNO.
David Rose G6XFF, of Wallasey.

WELCOME

To two new callsigns,

G O AJV - Bryce Gibson, of Wallasey.
G O AWW - Dave, ex-G6LME, also in Wallasey.

WELCOME

To a third harmonic in the G8TCC household, wherever it might be.
Congratulations to Ann and Steve Shakeshaft on their little girl.

GOOD-BYE

Also to 'TCC, who has left Marlston Av., but not yet bought the
new property in Heswall.

IN THE NAVY

Well almost. Steve G8TCC (him again) and Steve G8WOF have both
joined the Royal Naval Reserve. Unfortunately for us, the RNR
meet on a Wednesday night, so we will not be seeing much of them.

WELCOME

To another new member,

Chris Brown G8OMA, of Pensby.

MEMBERS ADVERTISEMENTSFOR SALE

ICOM IC 02e Two-meter hand -held transceiver of latest design.
As new. Extras included are - Case, Hand mic & spkr.,
Headset & switchbox, Spare battery case, Car power lead.
Price £220. Contact David G1JFE on 051-625 5473. Evenings.

For Sale

Marconi Signal Generator.
85Khz. to 25Mhz. in 8 ranges. £50. ono.
Marconi Communications Receiver CR300/1
Complete with service manual, but needs psu. £50. ono.
Marconi Communications Receiver CR 100 £50. ono.
Contact Robert G8TSE on 051-639 2090 for the above three items.

For Sale

Cossor Commando CC 701. Low Band AM Txevr. Mobile, 6 channel.
5 watts out. Recently out of service and working. All transistor.
Smaller dash mounting than a Wesy. Could be made to go on 'two' or 'six'.
Service manual available to see or copy. Also have a set for spares.
Complete with mic. but no speaker or mounting bracket. (Easily made.)
Contact Gerry G8TRY 051-630 1393 for a special price. Cheap.

NOTES FOR THE GUIDANCE OF HOLDERS OF AMATEUR RADIO LICENCE (B) WHEN USING MORSE CODE

Class B licensees are now permitted to use morse code, in any band for which they are licensed, for an experimental one year period. These notes, which have been prepared by the Radio Society of Great Britain in consultation with the Department of Trade and Industry are intended to give some guidance to users of this facility.

You are permitted to use morse so that you can —

- * practise morse sending and receiving in preparation for the amateur radio morse test.
- * see its advantages in overcoming language barriers.
- * gain experience using morse under real operating conditions.

The above clearly involves a large element of self-training.

GUIDELINES

1. When using morse code, the licence still requires you to identify your transmissions using telephony in the usual way because your morse cannot be guaranteed to be readable.
2. It follows from this that in order to comply with the common accepted principle in the interest of efficient use of the radio spectrum (bandplans), you should not operate in the parts of the bands reserved exclusively for morse operation. This is particularly important in the case of the morse segments of the 144-146 MHz and 430-440 MHz bands, which are in regular use internationally for weak-signal CW operation and experimentation.
3. When using the channelised parts of the bands, on-off keying of an audio tone is recommended (eg A2A, A2B, F2A, F2B).
4. In the multimode segments, any of the common keying methods can be used, eg, on-off keying of the carrier (A1A, A1B), frequency shift keying (F2A, F2B), or keying of modulating tones (A2A, A2B, F2A, F2B).

GENERAL POINTS

- * be prepared to spend time listening to experienced operators to become familiar with current operating techniques and procedures.
- * a recommended way to start is to practise during a normal telephony contact. This is conveniently done using a keyed audio sine wave oscillator the output of which, together with your voice, can be picked up by the transmitter microphone.
- * remember always to announce your callsign in telephony at the start and end of each transmission.
- * do not send morse at a speed faster than you can receive it; other operators will usually assume that you can receive at the speed you send.

DF HUNTS GENERAL RULES

1. Unless notified in advance, the starting point for the entrants will be the lay-by on the A540 West Kirby to Chester trunk road. This is on the West Kirby side of Heswall and close to the speed-limit signs on the north-west outskirts of the town. The NGR is SJ 260 831.
2. A team may consist of up to four persons in one vehicle. To qualify for any award, or for points towards any award, at least one member of the team must be a current member of the Wirral & District Amateur Radio Club.
3. The starting time will be as published, and will normally be 8pm for the evening events or 2.45 pm. for Sunday events. The frequency will be 145.325 Mhz.
4. The team will elect a leader whose callsign will be used by that team during the event. This callsign must be recorded with the hunt organiser and be supplemented with the names of the team members. This should take place at least 10 minutes before the start. Late entries cannot be accepted after the 'foxes' initial call at the starting time.
5. The 'fox' will make an initial call to the hunt organiser at the start time and of about two minutes duration. The fox will then go to ground until called for a transmission by one of the teams. If he heard you, the fox should reply with a transmission of approximately 10 to 30 seconds.
6. You must not move away from the starting point until the fox has at least started the initial call.
7. The fox may vary power or polarisation, but not location, as he or she so wishes during a reply.
8. You may make as many calls to the fox as you like during the event. They will be logged, and may be used in determining positions for prizes.
9. The location of the lair will be somewhere on the Wirral Peninsular. In an attempt to conserve time, daylight and fuel, a maximum area of operation will be specified in which the fox will be located, according to circumstances. Bounded by the River Mersey, River Dee and Liverpool Bay, the southernmost point of the search area shall be -
 - 9.1. 20 Kilometers radius of Upton Cross. (Stanlow Point to Queensferry.) or,
 - 9.2. 15 Kilometers radius of Upton Cross. (Burton Point to Vauxhalls.) or,
 - 9.3. The Wirral Borough / Merseyside County Boundary. Or,
 - 9.4. The limit of OS Map sheet 108 (Liverpool). Landranger 1:50,000 Series.
10. The fox will not be on private land, and you must not trespass onto private land to find him, including taking bearings or short-cuts. This includes farmers fields etc. where no public footpath exists.
11. The fox should be within approximately 25 meters of any public road or track that can be accessed by a saloon car or light van.
12. The Road Traffic Acts must be complied with.
13. On finding the fox, you must leave the lair quickly. The fox may give you a location to go to to obtain refreshment with the others.
14. During the event, teams must only communicate with the fox except in an emergency.
15. The duration will normally be two hours.

16. Normally, only passive antennas are allowed in the event. Should several teams request it, a separate section may be run for active df systems.

17. The winning team for any event will have one of its members physically contact the fox before any other, and then only after the rules and spirit of the competition have been observed.

For evening events, apart from practice, a prize in the form of an engraved trophy will be presented at prizegiving later in the year, for a year.

For the Sunday series, points are awarded according to finishing place. Out of a maximum of five results, the best three are added together to find the winner. Therefore, not all the events need to be entered. The winner and his or her team will be presented with trophy as above.

The holder(s) of any trophy is expected to take care of it, including keeping it clean and polished, and must expect a request for its return prior to the next prizegiving, to allow for engraving.

18. The winner, or one of the winning team, will be expected to play the role of the fox in the next appropriate event, unless some other mutual arrangement is made. i.e., the Eileen Medley winner becomes the 'revenge' fox.

PLEASE take sufficient provisions for the event, including fuel, clothing, equipment and refreshment as seems necessary. Good Hunting.

THE ANNUAL 'HOME CONSTRUCTION' COMPETITION

The Rules for this competition appeared in draft form towards the end of last year. They were the rules that the competition was judged by, but it was felt that certain changes should take place, especially in the judging section. Also, it should be remembered that it was one of the original intentions of the sponsor of the trophy, Dave Elliot GOAWW, that the competition should be open to more than just members of this club, e.g. all Wirral or all Merseyside. The idea behind this being that our club members could do as good if not better than anyone else in a given area, and so the trophy would or should stay within our club, thus giving added incentive to the members.

So far, no specific proposals have been submitted to the committee that would change last years rules in any particular way. For your information, the committee will soon be discussing the changes to the rules for this year and this may be YOUR last chance to have a say on them for this year, as we need to publish them soon.

Will we make it a Merseyside open ? Will we keep to the same rules as last year but expand the marking ? Will we impose any time limits ? Well, at the moment we don't know, but you can be sure that the entries must be

- a) Of usefulness to amateur radio
- b) Mostly fabricated at home by the entrant.

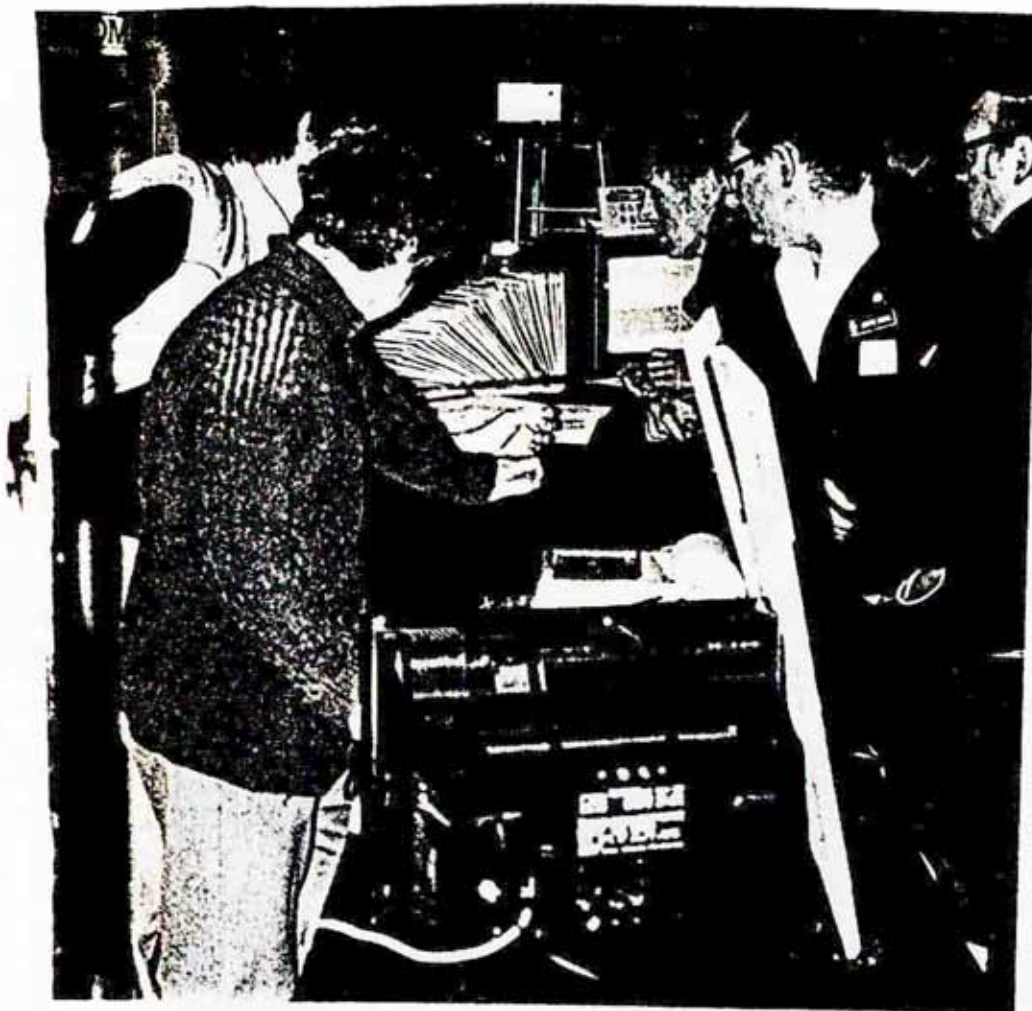
Items can be

- c) modifications on exsisting equipment
- d) built from kits or prepared pcb's
- e) completely or partially original in circuit or design.

The rules will have to take all this into account.



Basil O'Brien presents Dennis Jones with the 'Home Construction' Trophy, kindly made by Dave Ellicott GOAWW and donated to the Club.



Eric and Phil are obviously not too bothered about their keying speed but rather the turn-round speed of finding new Maidenhead locators, and were too busy to look at the camera on the club stand at Belle Vue. Eric was offering a free fitting service for the lady operators but had no takers.

It is said that imitation is a form of flattery and if that is the case, then we were being flattered by another club from not too far away who we believe were producing a poor imitation with vastly more expensive set-up, and with fewer maps. A collection box was also noted. Tut tut!

KEYBOARDS CAN BE DANGEROUS

The office has always been considered a relatively safe environment. There does not, on the surface, appear to be much danger involved in working in the average office. A growing concern at the number of industrial injuries resulting from keyboard operation is however, making clerical unions think again about this attitude.

Technology, now outdated but still in use, requires that the data for computer systems be punched into the system by large numbers of workers making up to 13,000 key depressions per hour. The results of this method of working has been tragic for a number of people and more cases come to light as publicity increases.

The best known of the diseases which can arise from keying work, and the only one registered as an industrial disease, is Tenosynovitis. Other problems such as Carpel Tunnel Syndrome, Trigger Thumb, Tennis Elbow and Frozen Shoulder can also arise from keying work but are not yet recognised by the DHSS as industrial diseases.

This group of diseases are known as Repetitive Strain Injury, because they are caused by rapid repetitive or pressurised movements of the hands. In the case of Tenosynovitis, constant movement of the fingers causes the sheath surrounding the tendons in the wrist to become inflamed and continuing to perform work of the same type will cause permanent damage.

The symptoms will initially be quite mild consisting of a sore wrist or forearm but as the disease progresses the pain becomes acute, movement becomes limited, fingers and hands distorted and in the final stages may become locked in a flexed position.

A number of people have symptoms so severe that they can no longer write with their right hands and have had to learn to use their left hand in order to perform clerical work. It is essential that any person with the disease is moved away from keying immediately.

It is important that workstations should include fully adjustable chairs and desks, no panels restricting legroom, fully moveable keyboards and the provision of footrests when required.

With the increasing use of Visual Display Terminals and keyboards as part of the normal clerical and engineering office environment the sad lessons we have learned regarding the dangers of keyboard operation must be used for the benefit of all involved in this kind of technology.

NOTE

'PARIS' SENT AT 15 WORDS PER MINUTE IS EQUAL TO 12,600
KEY DEPRESSIONS PER HOUR.

PARIS IS OFTEN TAKEN AS THE STANDARD WORD SIZE FOR C.W. SPEED

JOTA 84 19th.-20th. October 1984.

JOTA stands for Jamboree-On-The-Air, which is an international event run every year by Scouts and Radio Amateurs.

Last year a JOTA station was operated from the Headquarters of the 1st. Thurston Scouts, in Irby, using the call-sign GB2JAM. Incidentally, most European Scout JOTA stations use the suffix 'JAM' i.e. L1JAM, PA0JAM etc.

After confirmation of the callsign GB2JAM certain amateurs were approached with requests for assistance with items of equipment and operating the station.. It was proposed to operate on VHF and HF Bands simultaneously.

First it was necessary to divide the scout room into two to prevent mutual noise level interference from the two sets. This was duly carried out the previous week, and included draping carpets over the partition to absorb the noise. The Venture Scouts carried out this task admirably.

The next step was the erection of the antennas for VHF & HF working. Phil (G6SNO) and Peter (G6CGJ) carried out this work in a biting cold wind, in the dark, using a mobile flood light. It was intended to put up 4x8el yagis, but due to the strong wind conditions it was felt prudent to use only one. Dennis (G3UVR) kindly loaned us the use of his homebrew two-metre linear P.A., which allowed us to work QRO power levels.

Whilst all this was going on, Neil, Paul and Andy turned-up with an enormous tower on a four wheeled trailer, towed behind Neils car. This tower was located in the centre of the field, with the HF antenna assembled and mounted on the tower. This antenna was a five-element Tribander for 10, 15 & 20.

When fully winched-up, the tower was 85ft. high, and also supported two 'inverted-V' wire dipoles for 40 and 80 metres. All this was carried out, as I said, in a cold, biting wind. I heard no more complaints at all, considering the conditions prevailing at the time.

Everything was connected-up, and the station went on the air at 2000 Hrs. As anticipated, a photographer from the 'Wirral News' arrived, and subsequently a report and photograph appeared in the 'News'. The station was operated through into the early hours of the morning, when we had an official visit by a member of the local Constabulary. Apparently, a local resident had suddenly seen the large tower and antenna array, and complained to the Police. To quote "It must be illegal as it was put up in the dark." When explained to her, she was placated and no doubt relieved..... We had another visit from the Law!! This time a Sergeant plus a Constable, no doubt drawn by the aroma of G4UDR's coffee!! (Perhaps they came to see if it was true what they say about his size 9's) They were very interested in the set-up.

The station closed down in the early hours and re-commenced at about 0700 Hrs. on Saturday morning. Within 30 minutes on 80 metres, I had one fantastic pile-up wishing to work GB2JAM. After clearing the pile-up, Neil and Paul operated on 21 Mhz. and began to work the DX. Phil was doing sterling work on the VHF side, working GM and GI stations.

Saturday night brought aprecedented problem in that the local Community Association were running a DISCO?? for the Senior Citizens, in the Village Hall, and were hearing our transmissions through their loudspeakers. Although every effort was made, the problem was not easily solved, and the station temporarily closed down.

However, prior to the temporary close down, many contacts were made into the USA (36 in all) including K2USA, which is the headquarters station of the Boy Scouts of America. The British Scout headquarters station-- GB2GP, Gidwell Park - was heard but unfortunately not contacted.

The most interesting contact made was with a JOTA station in Svalbard in the Arctic Circle - JW1JAM - where the temperature was minus 80 C. We had quite a few visitors to the station, including a number of Scouts who were able to talk to other Scouts hundreds of miles away.

The station closed down at 1500 Hrs. on Sunday, after a good weekend. Comments heard on the HF bands shortly after, indicated that GB2JAM was one of the strongest stations operating -- particularly into the States. Power levels were 400 Watts, p.e.p. out.

Over 430 contacts were made, and cards have begun to trickle in via the QSL Bureau including a number of SWL reports. The first card to appear was direct to me, by post, from the World Scout Bureau in Geneva, thanking us for our participation.

This year GB2JAM will operate from the West Wirral District H.Q. in Royden Park on the 20th. and 21st. of October. Hope you can all listen-in or visit us. Any enquiries to myself or Pete G6CGJ.

I wish to thank those Scout Leaders, Scouts and amateurs who gave their time during the event, for without their assistance, GB2JAM could not succeed.

Vic Allen
G4UDR

RSGB BOOKS

Our sales of RSGB books went very well at the Waterways Festival. However we do know that not all of our members could take advantage of the bookstall prices at the Festival.

Therefore, we have kept back just one copy of certain titles for those who could not make it, including 'VHF UHF Manual', 'HF Antennas for all locations', 'The amateur radio awards book' plus a small number of Log Books, beacon and repeater lists, and a Maidenhead Map.

If you want one of these, for personal collection only, please contact the secretary, who will quote the price and take the money- but be quick!

General Knowledge Test

		Answer	Months in a Year
1.	12 = M in a Y		
2.	7 = S on a F P P		
3.	20 = H in a T		
4.	12 = O P in a S		
5.	1 = W on a U		
6.	200 = P for P G in M		
7.	32 = D F at which W F		
8.	57 = H V		
9.	29 = D in F in a L Y		
10.	12 = I in a F		
11.	360 = D in a C		
12.	8 = N in an O		
13.	212 = B P of W (F)		
14.	26 = L of the A		
15.	7 = W of the W		
16.	12 = S of the Z		
17.	88 = P K		
18.	11 = P in a F T		
19.	64 = S on a C B		
20.	366 = D in a L Y		
21.	13 = I in a B D		
22.	66 = B in the B		
23.	18 = H on a G C		
24.	54 = C in a D (with Js)		
25.	9 = P in the S S		
26.	3 = S in a T		
27.	13 = S on the A F		
28.	90 = D in a R A		
29.	3 = B M (S H T R)		
30.	30 = Q in this T		

YAESU

AERIALS

DATONG

MUTEK

RAYCOM

ICOM

MGR SERVICES

LINEARS

BNOS

MASTS

STANDARD

MICROWAVE
MODULESNEW &
SECONDHANDMARINE
RADIOCOMPUTER
SUPPLIES

PART EXCHANGE

BEST
PRICES

48, SHREWSBURY ROAD,
BIRKENHEAD, WIRRAL,
MERSEYSIDE.

051-653 3437

TELEX
628052

VISA
ACCESS

CELLCALL
0860-315938

Please ring before calling.

5. CONDUCT

- (a) Any members who wilfully or by gross negligence damages any property of the Club or any property entrusted to the Club shall be liable to make good such damage at his/her own expense. The question of the damage being or not being accidental shall be decided by the Management Committee from such evidence as they may be able to obtain.
- (b) A member may be expelled by resolution of not less than two-thirds of members present at a Special General Meeting duly convened to consider the conduct of such members. No person whose membership has been so terminated shall be introduced by any other member as a visitor to any part of the Club premises.

6. CLUB PREMISES AND BAR

- (a) Any voting member, or lady member, may introduce a guest to the Club premises. Such guest must sign his/her name in a book kept for this purpose and no guest may be introduced to the premises more than six times in any one year.
- (b) Members or visiting teams and their guests and bona fide members of visiting Clubs may purchase intoxicating liquor for consumption on the Club premises on the day or days on which the visiting team plays on the ground.
- (c) No person under 18 years of age shall be permitted to purchase or consume intoxicating liquor on the Club premises.

(d) Hours of Opening and Closing the Club Premises

Subject to the right of the Management Committee to open and close the Club premises at it's discretion the Club shall be open as follows:-

Weekdays.....	.....	.....	10.00 a.m. to 11.30 p.m.
Sundays)		
Christmas Day	)..	.....	10.00 a.m. to 11.00 p.m.
Good Friday)		

Notice of the hours during which the Club premises will be open will be posted in the Clubroom.

(e) Hours of Opening and Closing the Bar

Subject to the right of the Bar Committee to open and close the bar at it's discretion within the permitted hours the bar shall be open as follows:-

Weekdays.....	.....	.....	11.30 a.m. to 2.00 p.m.
			4.00 p.m. to 10.30 p.m.
Sundays	)..	.....	12.00 p.m. to 2.00 p.m.
Christmas Day	)..	.....	7.00 p.m. to 10.30 p.m.
Good Friday)		

The Bar Committee may on special occasions arrange for the supply of intoxicating liquor at other times subject to legal requirements

Notice of the hours during which the bar will be open will be posted in the Clubroom.

CLUB EVENTS 1985 - Continued.

AUGUST

- 7th. D&W at The Harp, Ness.
- 11th. Sunday. Fifth and final Sunday DF Hunt.
- 14th. Mobile treasure Hunt. Start Irby 8pm.
- 18th. Sunday. 1296/2320 Mhz. Contest. Club Entry.
- 21st. D&W at The Saughall Massie Hotel.
- 28th. Surplus Equipment Sale.

SEPTEMBER

- 4th. Quiz Night at W.A.R.S. Club QTH.
- 7th. & 8th. Weekend. 144Mhz. Trophy Contest. Club Entry.
- 11th.
- 15th. Sunday. 70cm. DF Hunt.
- 18th. Visit to Birkenhead ATE (Book in with John G8UZZ)
D&W at The Angel.
- 22nd. Sunday, 70Mhz. Trophy. Club Entry.
- 25th.
- 29th. Sunday. Mobile Treasure Hunt.

October

- 2nd. D&W at The Wheatsheaf, Ness.
- 5th. & 6th. Weekend. 432Mhz.-23Ghz. Contest. Club Entry.
- 9th. Debate.
- 16th. D&W at The Ridger, Newton.
- 23rd. Home Construction Competition.
- 27th. Sunday. 70Mhz. Fixed. Club Entry.
- 30th. Ladies Night- Faberge Eggs, and
D&W at the Irby Mill.

November

- 3rd. 144Mhz. CW Contest. Club Entry.
- 6th. D&W at The Seven Stars.
- 13th. Social and Presentations.
- 20th. D&W The Basset Hound.
- 27th.

SOME DATES ARE ONLY PROVISIONAL

See UPDATE or Club Meetings for confirmation.



RADIO SOCIETY OF GREAT BRITAIN

This is to certify that

GW4MGR/P the station of the
Wirral & District Amateur Radio Club
was the WINNER in the OPEN SECTION of
the RSGB "70MHz and SWL" Contest 1984



By order of
the Council

Johnathan
Vice-President