

CB RADIO

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The British Breakers Mag.

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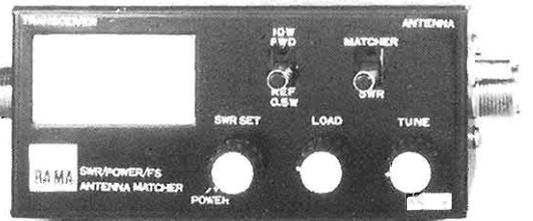
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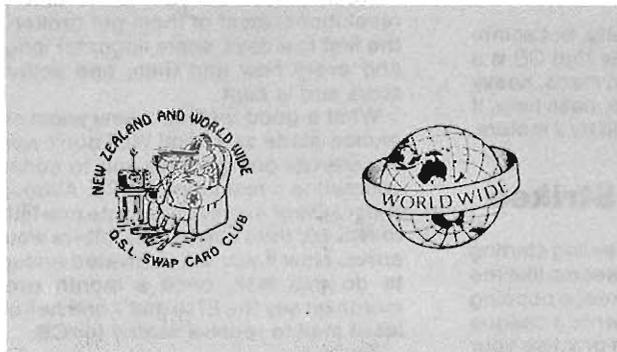
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CB RADIO



Hinkley Demo



DX QSL Club Spot.



Vultures on the Side.

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Nineteen Eighty One

CB RADIO
MAGAZINE
WISHES ALL ITS
READERS
A HAPPY NEW
YEAR

Time flies by and here we are in a brand new year.

When you were all linked arm in arm bawling, "For Auld Lang Syne" at the top of your vocals, did you stop and think about CB. Too bloody right you didn't, you were probably too paralytic to care.

But in the light of day and the returning of ones thinking brain struggling to surface after the inebriation it took, in what is joyously referred to as celebrating. Many of you will ponder over the previous year and wonder if 1981 will hold "The glorious day" and yet more excuse for a touch of brain bashing.

Ah! "The glorious day" sounds like something out of Citizen Smith doesn't it? But when will that day come? There have been many occasions over the last year when we have seriously thought that none of you really care about legal CB. But we should have known better, there are many of you that do care, and are proving it, see "Hinkley's on the map", (this issue).

CB is becoming more respectable and we would like to think that we have played a part in that respectability. Last year we did as much as possible to give CB a clean image and also we hope educated you the breaker with as much tact as we could muster with our "The Law and You". After all just because you, no not you, just because some people break the law it doesn't mean the law enforcers should use any tactics they like to right the wrong, or is it wrong the right, how does that saying go, "Two wrongs don't make a right".

A lot of what we have published is as the trade would say, "Sailing close to the wind", but don't worry folks, there's a lot more to come! The future may or may not hold a legal CB but regardless of the outcome we will still be struggling against the odds, defying the system and producing a "breakers magazine", cor! talk about harp strings, I must have had a quick attack of "pink house itus" or is it RN blues.

The Top Shelf

Okay so you've sobered up and your blurry eyes have now focused on our print, you've wondered what I am rambolling on about, but you've decided to give

it another shot anyhow.

Those browsers in the newsagents have left us and headed for the top shelf, all except for a few that is who don't need the top shelf, they are buying "Breaker" for its centrefold, and I thought CB was becoming respectable.

Dear dear me aren't I catty, but someone ought to tell Linkhouse that CB is a family hobby not a dirty old mans, heavy breathing raincoat brigade, pass time. If that's your scene you should try 2 meters.

Before Apathy Strikes

You know it's a peculiar feeling starting a new year, it never really seems like the old one existed. I mean it keeps popping up every time you want to write a cheque and gives you a chance to practise your initials. But somehow the new one is overpowering, it's almost like a good woman, sorry ladies man, whoops now who's forgetting the family aspect, it seems to demand your best effort. This year it will be better, sticks in your mind. This is the year, now I'm not going to muck this year up takes precedence and for the first few weeks the diary sees your pen regularly and everything is done with care and precision.

But alas it can't last and somewhere along the way apathy strikes, the diary's love affair is lost and although you intend to do things they get forgotten or just endlessly tomorrowed.

So now before apathy strikes, whilst the enthusiasm for this lovely unspoilt new year still bubbles inside you, (along with the Alka Seltzer that is quelling the revolution left from last year), pick up a pen, find three sheets of paper, dig into your pocket and shell out 30 pence.

Yes you've guessed it write a "legalise CB" letter. We could print three pages in this issue for you, but that's a space filler for people with nothing to print, then you'd have to rip up your lovely new mag and because this is new year you are going to do everything right aren't you? "Yes", and we all know that one hand printed letter is worth ten pre printed when it comes to authorities and government. There I've said it, that word govern-

ment and it was such a nice new year wasn't it?

A Resolution?

Traditionally new year is the time for resolutions, most of them get broken in the first few days, some linger for longer and every now and then, one actually stays and is kept.

What a good feeling, a new years resolution made and kept! Well don't worry we are not going to ask you to commit yourself to a resolution for CB. Although if just 10% of our readers wrote one letter to No. 10, then over 5,000 letters would arrive. Now if you are motivated enough to do this task, once a month every month on say the 27th that's one hell of a lot of mail to receive asking for CB.

ED.

CB RADIO MAGAZINE
will be at your news-
agents next month (on
the third Thursday of every
month) 60p



DUE TO THIS WE HAVE HELD
OVER ONE OR TWO PROMISED
ARTICLES including MARTIN T.
TUNIS 'FACTS vs FICTION ABOUT
900 MHZ'.

A Postal Demo

Still motivated? Then bombard the authorities with a CB request.

As this is page three we will be logical and assume that you have read page two. However if you're not logical, skittish or just read the first couple of lines of each page before reading the whole shooting match, then you'd better turn over and come back later.

Right now we're sitting comfortably we're going to make a concerted effort to catch some of that "This is the Year spirit".

As we have said this is going to cost you 30 pence, groan, moan, groan, right now that's over, you have got to decide a couple of factors.

We're taking this seriously aren't we? Firstly there's the phantom CBers "Big stumbling block", your name and address. Quite a few of you have sent us copies of your requests for legalisation as sent to Mrs T and our Willie and most are signed with a handle or simply not signed at all.

But I Break the Law.

Contrary to CBers common belief, if you write to Mr Whitelaw, your MP or Mrs Thatcher requesting CB be legalised, your name and address is not handed on to the nasties.

Repeat NOT!

If you don't believe us and don't have an alternative address just put c/o CB Radio Magazine, Tudor Works, Beaconsfield Road, Hayes, Middlesex.

Just in case you're still blind drunk and haven't noticed the centre of this page has a rough draft of how your letter should be layed out although the wording is up to you.

Now secondly who do you write to, we will assume that you have written to the HO and answered their Discussion Document.

So now there are three people you should write to: Mrs Thatcher, Mr Whitelaw, and your MP. You would place their name after the word (Dear) on the draught.

- 1) The Prime Minister.
10, Downing Street,
London,
SW1.
- 2) The Home Secretary,

(YOUR ADDRESS)
or c/o CB RADIO MAGAZINE
TUDOR WORKS
BEACONSFIELD ROAD
HAYES MIDDLESEX

(ADDRESS OF RECEIVER)
ie: THE PRIME MINISTER,
10, DOWNING STREET
LONDON, SW1.

(THE DATE)

Dear Mrs. Thatcher,
I am greatly concerned at the time delay in any announcement regarding the legalisation of Citizens Band Radio. I feel that a facility of this kind is required here in Britain.
I would like to stress that CB is legal in many other countries and that the frequency in use is 27 MHz. This is now accepted internationally as the citizens band frequency.
I totally reject Government proposals for a facility of 928 MHz or over and ask you to legalise 27 MHz CB here in Britain now!

Yours sincerely,
Your Signature
YOUR NAME PRINTED CLEARLY

The House of Commons
London
SW1.
3) Your MP,
c/o The House of Commons,
London, SW1.

To find the name of your MP and or his constituency office if you wish to write to him there, phone the House of Parliament between 9.30 and 5.00 on 01-219 3000.
Now get writing. JOH.

Hinkley's on the Map

Hinkley Breakers clog the town.

Perhaps I am not the best person to produce a magazine, I mean I really hate crawling out of bed during the week, let alone on a Sunday.

The prospect of a two hour trek down the M1 wasn't doing anything to help either, I don't know about you but I'd never heard of Hinkley. However resolved to cure the lack of coverage north of Watford label that we have managed to acquire I summoned up enthusiasm and headed for Leicester. Junction 18 and Hinkley still wasn't on the map, so we followed the road numbers and crept up on 'Hinkley' from behind.

I must confess that as we drove around the town looking for Queen's Park, I was heard to say, "I can't see there being many people here today". I don't know why but whenever I stop to ask for directions I always manage to find the only other stranger around. Anyhow having seen the town twice we found it.

Queens Park 2.00 p.m.

Actually it wasn't that hard to find, it soon became apparent that we were in the right place as I spotted a couple of DV 27's and a little further down the road a couple of CBers, it was now half one and I was surprised to see over 30 people already assembled.

The move off time that we had been told was 2.00, so we decided to park up and wait. There we sat opposite the park deciding whether to squeeze in a swift half at the local or not, when I noticed that DV 27 seemed to be taking over the immediate area. Hello, I thought, is it a march or a convoy, by now there was over forty cars milling around, all sporting blatant twigs. Each car was packed full of banner carrying 'breakers'.

I soon began to realise that this little town was going to have a good few hundred strong march.

Police Agro

By the time I had parked down a side road, the place was packed with cars, their antennas everywhere, parked on the pavement and on both sides all the way up the road.

And still they came, more and more, and yet more CBers invaded the park. Soon the numbers were topping the 1000 that's right 1000.

Two fifteen came and went and there was still no sign of the police escort. Terry Newell better known to some as "Big Ears" was present in his conspicuous van. I mean, you can't miss it can you! Anyhow he phoned the police via his 'legal' semi CB, a radio phone.

The police hadn't intended to arrive until 3.0'clock with a move off time of 3.30.

There was now well over a thousand breakers gathered and when the news broke it was an unenviable task the organisers had trying to stop the march leaving without the escort.

Two Police Cars

The boys in blue were obviously not expecting a turn out let alone such a vast number of CBers.

Tempers were already high at the policemen's late arrival, not it seemed that they were stalling. Two cars arrived and the



Breakers from everywhere clogged 'Hinkley' town.

sergeant promptly announced that the demo was not going to start until all the cars parked on the pavement were moved. And anyhow they weren't starting until 3.30.

Once more the organisers kept their cool and with a little subtle persuasion managed to change the police demand to just the cars blocking the top corner of the main road, along with a three o'clock start. Surprisingly enough this was soon accomplished and the demonstration began to assemble.

Final Count

The demonstration was lead by a group of majorettes who, with instruments in hand, literally drummed up the mood. It is amazing what a good marching mood can do to create a pleasant atmosphere and it wasn't long before the CBers were under way all smiling and chanting for CB now.

I have in the past said that it never ceases to amaze me how a small group of people becomes a large demo. So can you now imagine a large group of people becoming a huge demo. From the single solitary police car with one officer to the tail end, a Volvo tractor unit was at times a distance close on half a mile! Although to be fair this was well spaced but effective.

The route taken was long, at times torturous for the young majorettes who could visibly be seen limping towards the end. I must say I have done my fair share of banner carrying and that's painful enough, but carting a dirty great drum for

over an hour and a half is not my idea of fun, it's bad enough carrying a camera!

Still they were really appreciated and quite honestly they made the march, you could say they added that touch of "Je ne se pa", that just softened and yet brought attention to the demonstration.

Too Big to Stop!

The demonstration turn out was larger than anyone had expected. The police were certainly surprised, with the prison dispute they were short staffed in the first place, in total there were three regular police officers and five specials.

One single car at the lead did all the work that was required along with two or three CB marshals that helped re-direct the traffic at one or two junctions. The officer managed quite okay and didn't even moan when his vehicle was plastered in legalise CB stickers, although they were soon removed.

Due to the vastness of the demo, instead of ending at the town hall the police agreed to continue back to the park.

In the past I have knocked the Londoners for their poor show, to be honest though, it does seem that things happen more in the Midlands and the North.

So how about a new years resolution for London CBers, "Attend the demo's in 81." Because sad to say, a really good demo in London like the Hinckley one would make "National Front Page News".

Well done Hinckley, bloody good show, you're certainly on the map for CB.

JOH.

**THE NEXT DEMO IS
FEBRUARY THE 14th AT
SPEAKERS CORNER TO
NO. 10 - TRAFALGAR SQ.
AND BACK TO SPEAKERS
ORNER FOR A RALLY,
ORGANISED BY THE
NORTH COTSWOLD CLUB**

**WE WANT YOU
TO DEMONSTRATE**



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OF BIRMINGHAM & LONDON CON-
VOY TILL NEXT MONTH - BOTH HAD
A GOOD TURNOUT.

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ALPHABET AND GLOSSARY OF THE
MORE POPULAR PHRASES.

The Plymouth Singing Wheels CB Club gained some coverage for their demonstration of over 100 cars, vans and trucks covered in CB slogans. The convoy followed a 30 mile route round the city with a police escort. Almost every type of vehicle was present for the biggest convoy Plymouth had seen. Once more the aim of the demo was to dispell the image of a small minority of rough necks.

The reporter had also covered the opposition with a comment from John Preece, a spokesman for Car Radio Independent Specialists Association (CRISP). He said "The Government had already agreed in principle to set up an 'Open Channel' on the airwaves. It's not a question of whether we are going to have it or not. We are going to have it. But it won't be on 27 MHz which is what the protestors want.

Belfast Telegraph. Prostitution link with CB, court told.

A Belfast court was told that the oldest profession in the world was now using the newest gimmick to solicit. A Post Office expert told the court that women CB users had been heard to arrange eyeballs with unknown males and that money had been mentioned.

This statement was made during an appeal by the Fermanagh men fined a total of £2,800 for smuggling CB Radio sets.

The article went on to deal with other aspects brought up as opposition to CB during the court case which was proven, the judge dismissed their appeal which was brought as a test case on a point of law arising out of EEC legislation.

Judge Brown said, "I am convinced that Citizens Band Radio sets can help terrorists and I am left in doubt whatsoever that the legalisation is valid. I am satisfied that these sets are of great assistance to terrorists and are used by them.

Belfast Sunday News. 'Call Girls on the Air' shock for TV viewers.

Once more prostitution as a major weapon against CB. Reportedly Post Office officials were investigating reports of 'A vice ring' operating on CB sets. Allegedly television viewers in Ulster had been shocked when lewd two way conversations came over the regular programmes loud and clear offering prostitution services and giving prices. The viewers said that despite the CB lingo they could understand the 'crude and vulgar' suggestions and had been appalled at the foul and coarse language used.

Experts from the post office had been called to track down the source of these transmissions. (These were the same experts that had given evidence in the court case covered by the Belfast Telegraph).

In answer to these accusations Mr Tony McNulty chairman of the local CB club in Enniskillen said "This kind of thing certainly doesn't happen, I don't know where the post office expert was talking about but it certainly couldn't

have been Fermanagh, definitely not anywhere in this area".

Watford Evening News. CB Radio in 999 alert.

Some of the advantages of CB have been expressed in the press and emergency alerts are now getting coverage.

Firestreak of the BBC (Bricket Wood Breakers Club) had been cruising near Fisheries Inn, Elstree when he heard an emergency call come over his CB. Thinking quickly he stopped by the public telephone and answered the call.

There had been a horrible accident on the M1 Motorway northbound carriageway and a CB operator had witnessed the crash which had cut a car in half and left its passenger critically ill. This operator put out the call for help which Firestreak phoned into the emergency services. As it turned out this CB orientated emergency call was the first call coming long before any other conventional method could have as the motorway emergency phones were out of order.

The News Portsmouth. It's Big Daddy calling.

As with every article aimed at the uneducated public there was a play on CB jargon leading into this papers piece. However once that was out of the way Alan Montgomery proceeded to give the reader a breakdown of the uses CB can have, offering traffic and weather condition reports or business chatter or just a method of communication for bored housewives.

Then with a brief history of CB and its early days in the USA and the boom during the petrol crisis, the author leads

into a synopsis of the Governments proposals as set out in the Discussion Document. The oppositions voice is aired and Jim Martin of Gosport is quoted as campaigning to legalise CB.

Evening Mail Slough. Swoop on 'Blue Horse'.

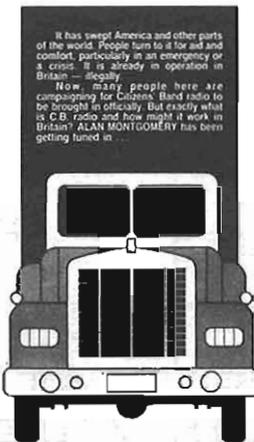
CB Radio fanatics are backing their president arrested in a swoop, the paper announces that an expected 500 breakers will turn up if he is taken to court.

The Middlesex Breakers Club lost their first prize when 'Blue Horse' was arrested in Sunbury, in his vehicle were three transceivers which the police seized, one his personal CB worth £150, the other two destined for the club. The Middlesex club is a relatively new club which has come into existence to cover the gap left by the SBS at Twickenham and the WLBC at Southalls Iron Bridge. The club, like many others, is striving to see a legal CB system in Britain.

Leicester Mercury. CB Radio Clubs join forces for Campaign.

Great hopes are at present riding on the amalgamation of over 17 clubs in the Midlands area. Members of these clubs have got together to form a united Midlands voice demanding legal CB. They intend to meet monthly on a rota basis and hammer out a precise action plan. Hornblower, one of the delegates said, "Now is the time to stand up and be counted to try and prove to the Government that there are a sufficient number of us to be able to communicate and it's about time we had the freedom of that communication".

It's Big Daddy calling



Illegal users proliferate

It has swept America and other parts of the world. People turn to it for aid and comfort, particularly in an emergency of a crisis. It is already in operation in Britain - illegally.

Now many people here are campaigning for Citizens Band radio to be brought in officially. But exactly what is CB radio and how might it work in Britain? ALAN MONTGOMERY has been getting tangled in...

How many people here are campaigning for Citizens Band radio to be brought in officially. But exactly what is CB radio and how might it work in Britain? ALAN MONTGOMERY has been getting tangled in...

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WHITEHALL FIGHTS BACK

The Government is poised to clamp down on Citizens Band radio operators which is currently being illegally in Britain. The Government is poised to clamp down on Citizens Band radio operators which is currently being illegally in Britain. The Government is poised to clamp down on Citizens Band radio operators which is currently being illegally in Britain.

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The factory would have to be as free from... The factory would have to be as free from... The factory would have to be as free from... The factory would have to be as free from...

What Mr. Thatcher's Government has in mind... What Mr. Thatcher's Government has in mind... What Mr. Thatcher's Government has in mind... What Mr. Thatcher's Government has in mind...

The Whitehall now... The Whitehall now...

Speech Processors

by E.A. Rule – part 2.

In part 1 we dealt with the general requirements and advantages of speech processors. We shall now take a detailed look at some of the special requirements that have to be considered in the design of these very useful additions to a transmitting station.

Speech processing is carried out in two ways, the first is to reduce the audio band width so that only the frequencies that are essential to communication are transmitted. This avoids power being wasted in transmitting unwanted frequencies. The second, is to limit the peaks of the speech waveform so that the average level can be increased to the maximum possible without overloading the modulation stages of the transmitter, which if it were over loaded would introduce distortion and cause 'splatter' into adjacent channels.

Frequency Response

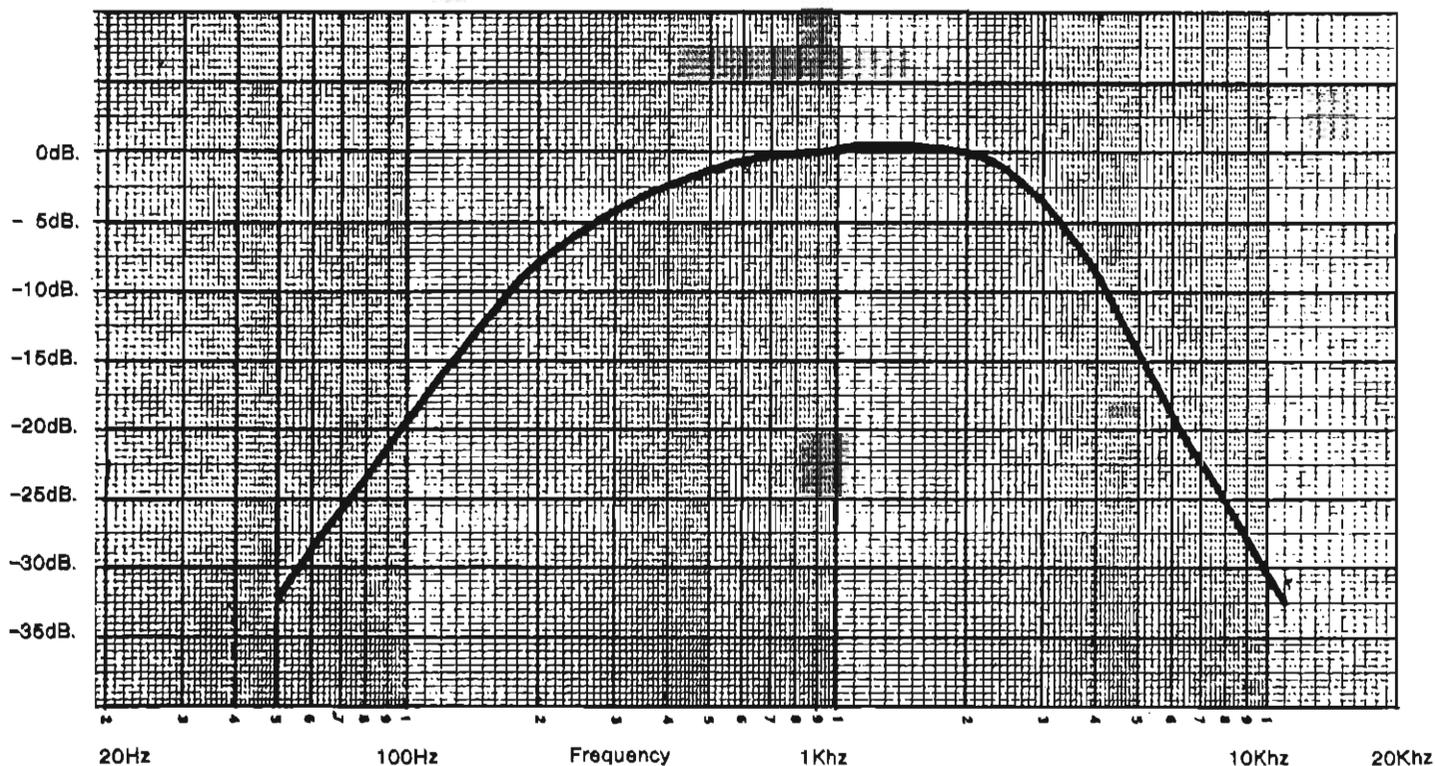
For very good speech quality only the audio range of 300Hz to 3000Hz need be transmitted. Fig. 3 shows a block diagram of a typical processor and it will be noticed that the audio frequency response is tailored in the following manner. The low frequencies are removed BEFORE the limiter stage and the high frequencies are

removed AFTER the limiter stage. The reason for this is that the limiter stage is a non-linear device and will introduce considerable distortion when operating. Removing the unwanted low frequencies before the limiter prevents them reaching the limiter and being distorted. If they reached the limiter the harmonics produced would fall into the wanted band of 300 to 3000 Hz, i.e. the third harmonic of 150 Hz (for example) would be 450 Hz and this distortion would degrade the signal, reducing its readability and wasting power.

As the limiter stage is a non-linear device it follows that *any* signal fed into it will be distorted and although we have removed the frequencies below 300 Hz those above this will still be distorted by the limiter action. As the frequencies above 3000 Hz are not required the high frequency filter is designed to cut off above this. By placing the high frequency filter after the limiter it will not only remove the higher audio frequencies but the harmonics from the range 300 to 3000 KHz as well. The practical effect of this arrangement is that the distortion introduced by the limiter action is greatly reduced.

Fig. 4 shows the response obtained in one well signed commercial speech processor. It has a response that falls by 12dB per octave below 300 Hz and by 18dB

Fig. 4: Overall frequency response of the processor, showing the combined effect of the high and low frequency filters.



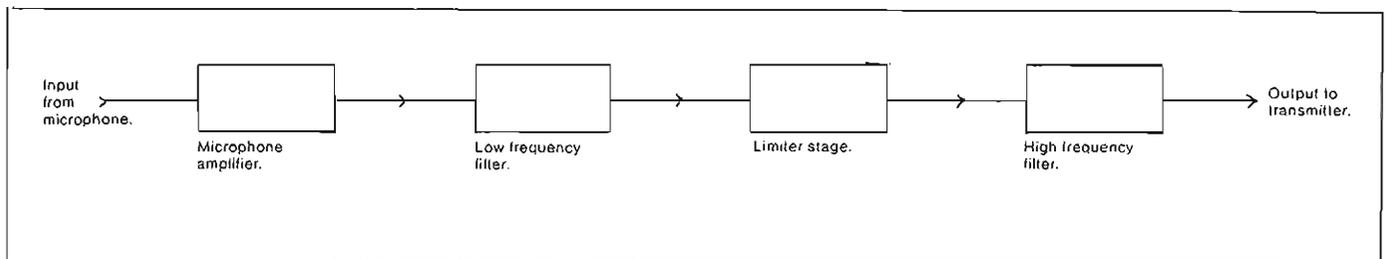
per octave above 3000 Hz. At 10 kHz the response is 30dB down and in terms of transmitter power output this represents only around 0.01 watts from a typical 10 watt transmitter, hardly likely to cause any interference. In practice, the better transmitters will already have some filtering built in and this would reduce the higher frequencies even further.

The effect of the filters built into the transmitters will modify the overall frequency response slightly in the range 300 to 3000Hz but not to any practical disadvantage. With FM or AM transmitters this effect will be very slight and in many cases these type of transmitters do not have any internal filtering other than a simple high frequency, — cutting off above around 5000Hz or so.

In the case of SSB, the transmitter will have a very steep cut filter already built in to it to limit the audio range to the 300 to 3000Hz required and to suppress

the unwanted sideband. It may be through that, in this case, no extra filtering would be required in the processor itself. Nothing could be further from the truth!, remember, we have increased our speech signal by around 15 to 20 dB which means that the harmonics have also been increased, if the speech processor did not have a filter fitted these harmonics (at the higher level) would be passed to the SSB filter, the effect would be to reduce its attenuation by an amount equal to the increase in signal i.e, if the SSB filter is down by say 50dB at 6000Hz and we present it with a signal where the harmonics at 6000Hz have been increased by 15dB the filter is in effect only reducing these by 50-15=35dB, this represents an increase in transmitted signal power at 6000Hz of 32 times! So it is important that speech processors are fitted with filters so the frequency range presented to a transmitter are similar in range and amplitude to those that would be fed into it without a processor in use.

Fig. 3: Block diagram of typical arrangement of filters in a speech processor.



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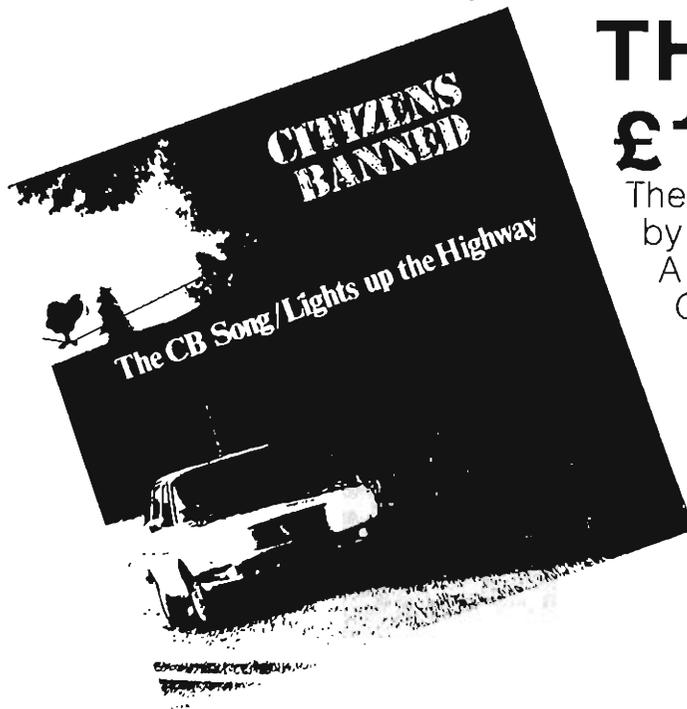
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Well we feel that it is about time CBers had their day. As the first British CB Magazine for CBers, we decided to establish 10-4 day.

The tenth of April is the day and the venue will be the Heathrow Hotel.

At "The CB Show" there will be stands and exhibitors present dealing with almost every aspect of CB from REACT to QSL cards and from monitors to rigs. In fact anyone who is anyone in CB should be present.

Who knows judging by present rumours the Government may have made up their minds and you could even see a legal rig at the show! No don't laugh, you never know do you?

Sidebands to Win

Talking of rigs legal or not, 27 MHz SSB and AM rigs will be at the show. In fact there will be a draw each day and the first prize will be a Side Band Rig, naturally it will have been legally imported and will be operable, save for a quick solder job. The second prize will more than likely be another transceiver only not quite so expensive. The intention being that the draw may be held more than once a day.

Talking of days "The CB Show" will be a three day event opening on Friday the 10th and closing on Sunday afternoon with an admission fee of £1.00.

Is that a four!

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So fellow CBers there's going to be a lot happening at CB Radio's "CB Show", with every conceivable accessory and a selection of different rigs on sale, this could be the show to save up for. We are going to persuade all the exhibitors to give you a fair deal with some special "CB Show" offers that could be hard to beat elsewhere.

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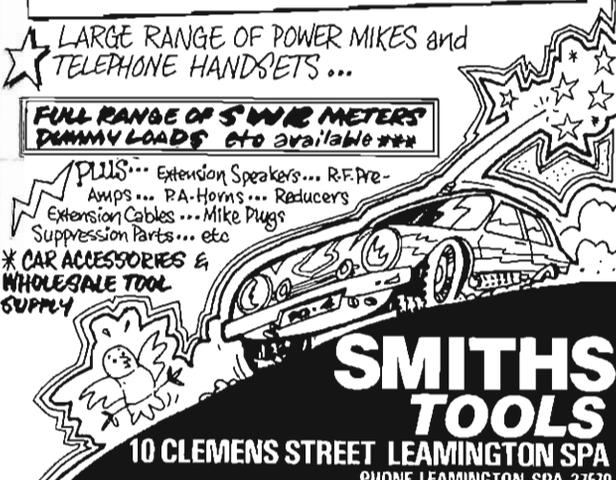
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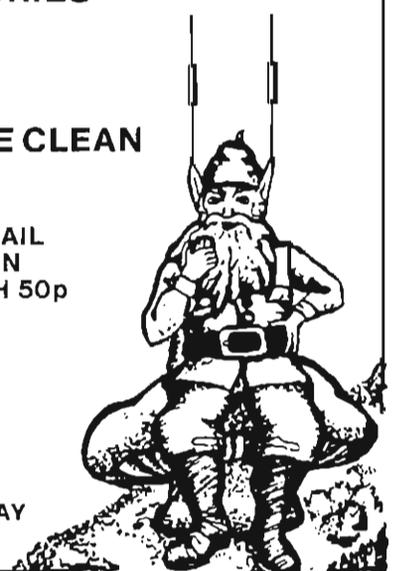
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Parliamentary Review



A look at what is said about CB in the House of Commons

Although CB (or if you prefer OC) is getting a lot more airing in the national press, facts can unfortunately often be distorted. Prior to starting this magazine I searched high and low for information on CB and often found articles informing the public of legalisation dates and frequencies, as we all know (or should know) so far there is no direct and forthcoming line by the Government, so such articles can be misleading.

Where better to look for facts than at the top, the very seat of Government itself, the House of Commons.

As Parliament has only recently convened, their time has been spent on (dare we say) more pressing matters, but CB has been mentioned and as the lobby grows it will continue to steal some of the lime light. The following extracts are from the House of Commons.

Reconsider Prosecution

Mr Hall Miller, (the Tory MP for Bromsgrove and Redditch) said there was 'a growing concern' among users and in view of their increasing numbers asked the Government to reconsider whether they would still be liable to prosecution when the open channel system is introduced.

Mr Timothy Raison (Minister of State for Home Affairs) told the House that 331 people had been prosecuted for unlicensed installation, and/or use of 27 MHz radios during the first 9 months of this year.

He added that 325 were convicted and six acquitted. He then said "I cannot give much regard to people who complain about the fact of this disparity". Mr Raison continued, "At present, use of 27 MHz is illegal. Wherever you are you must not use it".

Mr Raison then admitted that there had been problems over enforcement. "The proposals we are hoping to come up with will provide a satisfactory alternative. We intend to ban the sale and advertising of illegal sets when parliamentary time permits".

When will we see Open Channel

Mr Shersby (Conservative MP for Uxbridge, Middlesex) asked the Secretary of State for the Home Department whether he intends to introduce legalisation during the Open Channel system of personal short range radio communications in the United Kingdom and if he will make a statement.

Mr Butcher (MP for Coventry, South West) also asked when will the Secretary of State be in a position to announce the results of the public consultation document on Open Channel Radio.

Mr Raison answering for the Secretary of State in MP's said "Primary legislation would not be required to introduce the service. Final decisions about the choice of frequency and the introduction of the service will be taken as soon as possible after the public response to the discussion document has been analysed".

Treaty of Rome

Dr Roger Thomas (Labour MP for Carmarthen in Wales) asked whether the United Kingdom is a signatory to a European agreement to use Citizens Band Radio on the 27 MHz frequency and if he will make a statement.

Mr Raison - No the United Kingdom is a member of CEPT (European Conference of Posts and Telecommunications Administrations) which has recommended a common standard for those countries which have introduced two way low power personal radio systems on 27 MHz. But this recommendation has no effect on member States such as the United Kingdom, where Citizens Band Radio is illegal.

Amnesty for 27?

Mr. Kilfedder (MP for Downe North, Kent) asked the Secretary of State for the Home Department, if he will grant an amnesty to users of open channel radio on 27 MHz, in view of the pending decision by Her Majesty's Government on its use following the publication of the Green Paper.

Mr. Raison : No.

How Many Replies?

HOME DEPARTMENT Open Channel Radio

Mr. Shersby asked the Secretary of State for the Home Department what percentage of the representations received in response to the discussion document on open channel has advocated that the service should be introduced on a frequency lower than 928 MHz : and when he expects to be able to announce his conclusion on the use of a suitable frequency in the light of the representations received.

Mr. Raison : Of the responses to the discussion document so far analysed the large majority are in favour of a frequency other than 928 MHz for open channel radio. As to when a final decision will be reached, I refer my hon. Friend to the reply I gave to Mr. Butcher.

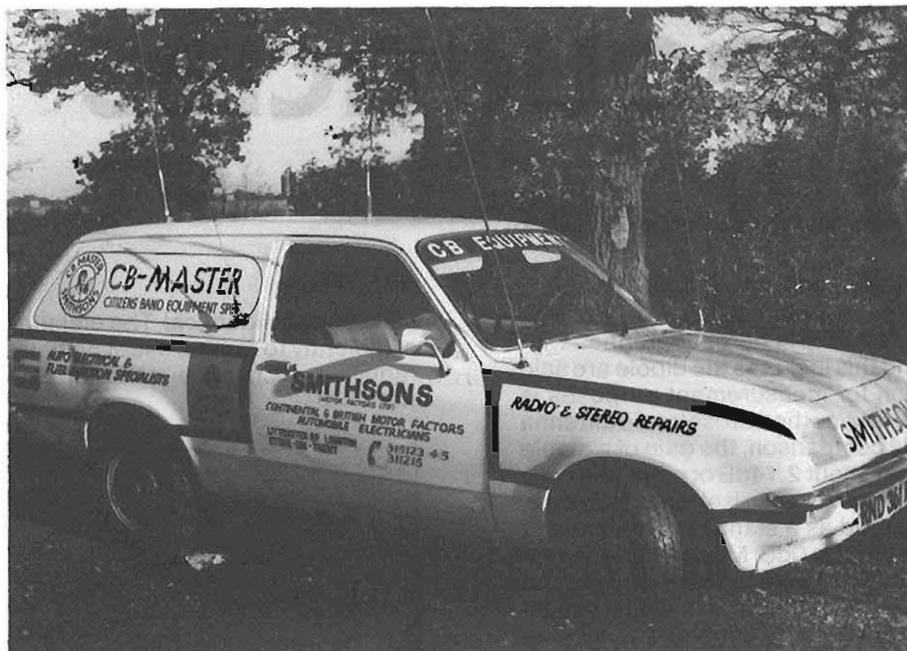
STOP PRESS

Thursday the 11th of December the Parliamentary Working Party ratified the NCFL's proposals for 41-47 MHz Band 1 B/W 405 line TV to be allocated to British CB. This proposal was put before the Minister in a prepared study for consideration.



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Antennas and Transmission on CB Frequencies

by F.C. Judd, FISTC, MIOA, Assoc. IPRE. – Part 3

At this point a recap on antenna gain is worthwhile as this was explained only briefly in part 2. Antennas with directive properties and this includes the dipole are said to have gain and which for measurement purposes is sometimes related to the hypothetical isotropic antenna mentioned in part 2. By comparison, the gain of a dipole at maximum directivity is about 2.14dB or more correctly 2.14dBi. The i indicating gain over an isotropic. However, the dipole is also accepted as a standard antenna and its gain therefore referred to as 0dB. Most manufacturers use this reference but if they wish to make an antenna performance look better, they quote gain with respect to an isotropic. For example, a beam antenna may be said to have a gain of 6dB over a dipole or 7.64dB over an isotropic, either of which should be clearly stated as 6dBd or 8.14dBi respectively. Gain in an antenna system is only obtained by decreasing the arc or arcs of directivity which is normally accomplished by increasing the number of active elements in which case the antenna may be called an *active array*. Antenna gain, which should really be called *directivity gain*, can also be obtained by employing a reflector and/or number of director elements in conjunction with one or more active radiators, usually dipoles. These are known as parasitic arrays as the reflector and directors are not normally active i.e., they are not directly driven with rf power.

Active Directive Arrays

The most common but not always the most used method of obtaining gain and directivity is to combine the radiator from a number of half-wave dipoles. The diagram fig. 1, may help to clarify the idea. Assume that the current in dipole A produces a certain level of signal E at some distant point P. The same current in any of the other dipoles will also produce the same signal level at P. If for example dipoles A and B only are operating each with a current I, the signal at P will be 2E. With A, B and C operating the field will be 3E and with all the dipoles operating will be 4E. As the signal received at P is proportional to the square of the field strength, the relative signal received at P is 1, 4, 9 and 16, depending on whether one, two, three or four dipoles are operating. *The power gain is directly proportional to the number of elements used.* Where one element would yield a power gain of 1 = 0dB, four elements would produce a power gain of 4, which is 6dB. It is important to remember however, that the fields from each separate dipole must be in phase at the receiving point and the currents in

each must be identical. The elements must be separated sufficiently to reduce coupling between them otherwise radiation resistance and impedance etc. would be affected.

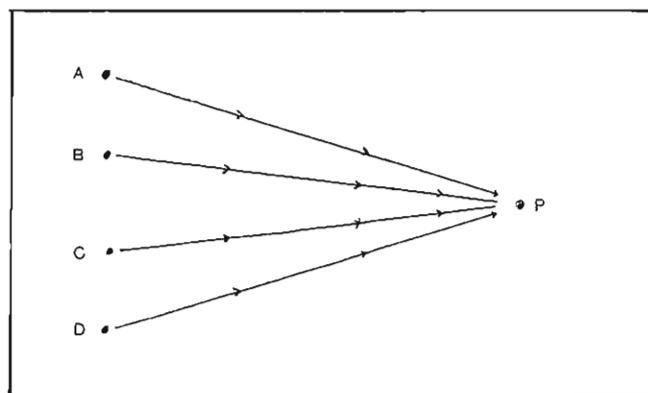


Fig. 1: Radiation from an array of dipoles to a point source (P) See text.

Parasitic Arrays

These are multi-element arrays containing at least one active or driven element, usually a dipole and a reflector and a number of directors which are not driven and therefore called parasitic elements. A parasitic element obtains its power through electro-magnetic coupling with a driven element. One of the most commonly used parasitic arrays is the 'Yagi' named after its inventor and which is popular because even a large array is relatively easy to construct. Yagi's antennas can be constructed with as little as three elements or as many as 12 or 14, or more, to produce a gain over a dipole of 14 or 15dB or more.

Radiation Patterns

These are really graphs which show the directivity gain of an antenna at all angles through 360° horizontal and vertical. Such graphs can be plotted in cartesian or polar co-ordinate form and are valuable to radio operators as they tell the complete story about the coverage as well as the gain of an antenna. A typical radiation pattern for a beam antenna is given in fig. 2. It is apparent from this why it is necessary to be able to physically rotate an antenna of this nature in order to get maximum power in a required direction.

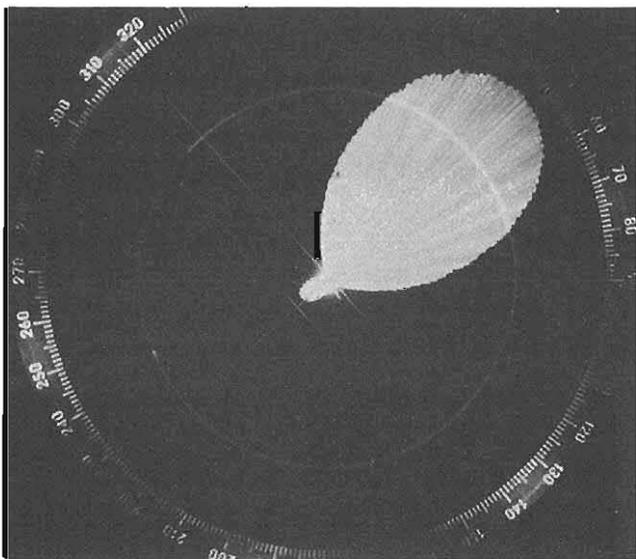


Fig. 2: Horizontal radiation pattern of a typical Yagi type beam antenna.

Omni-directional Antennas

This type of antenna has gained considerable popularity since the event of mobile operation because it radiates equally in all directions. Omni-directional vertical antennas are more amenable for mobile operation and look better on a car anyway. Although the half-wave dipole is the most simple of all antennas it is not necessarily the easiest to match to a transmitter. The feed point impedance is nominally 72 ohms and what is more, if the antenna is to operate efficiently it requires a balanced feed. Most transceivers have the more or less universal antenna output/input impedance of 50 ohms which lets the dipole out unless provision is made for a feed impedance step-up and ideally, a balanced connection. Also, as a dipole is centre fed the feed cable has to run at right angles from the antenna before going to the transmitter, otherwise it can cause interaction and reduce working efficiency. However, there are simpler ways, just as efficient, of feeding a dipole, especially one that is vertical as will be shown later.

Ground Plane Antennas

Any antenna one quarter-wave or more in electrical length with reference to the frequency of operation, is considered to be a resonant antenna and has a relatively low feed impedance at the base i.e., at the end of the antenna closest to ground. Such an antenna radiates equally well in all directions around it and is therefore omni-directional and assuming perfectly conducting ground as in fig. 3, the vertical angle radiation is quite low in that it travels outward almost parallel to ground. Real earth is however, far from being a perfect conductor so considerable loss in radiated power would occur because of this. The only answer therefore is to provide an 'artificial' earth of high conductivity material beneath the antenna to reduce the otherwise high ground loss. This still permits the antenna to radiate at relatively low vertical angles and when the whole system is elevated as high as possible, attenuation due to surrounding structures is largely overcome and the point of horizon and therefore working distance is increased.

One of the most popular omni-directional antennas, although not necessarily the most efficient, is the so called 5/8 ground plane and for fixed station operation usually consists of the antenna itself mounted above a system of metal radials which form an 'artificial' earth or ground plane as previously described. This antenna is

also used for mobile operation in which case it is mounted on the roof, or some part of the body of the car, which acts as the ground plane.

It is called the 5/8 ground plane because this is approximately its *physical* length. The *electrical* length is usually three-quarters of a wavelength. As the current and voltage distribution along the antenna shows (see fig. 4) the first section is electrically a quarter-wavelength because of the series loading coil. The feed point impedance is about 50 ohms.

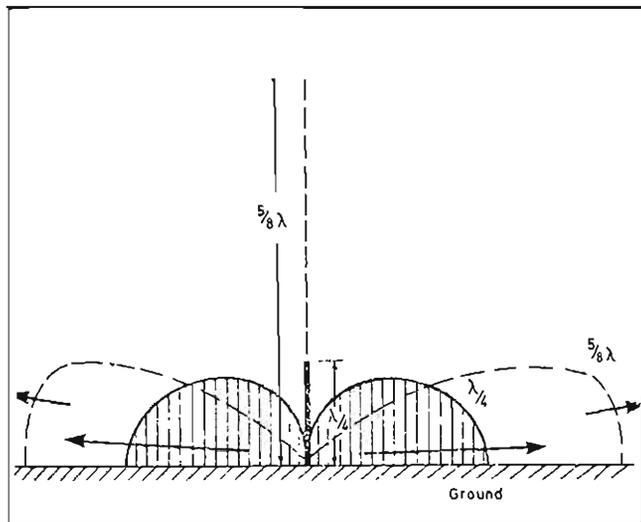


Fig. 3: Theory of the grounded vertical antenna. A 5/8 antenna operating above a perfectly conducting infinite ground plane has a gain of 3dB over a dipole or about 4.5dB over a vertical 1/4 antenna.

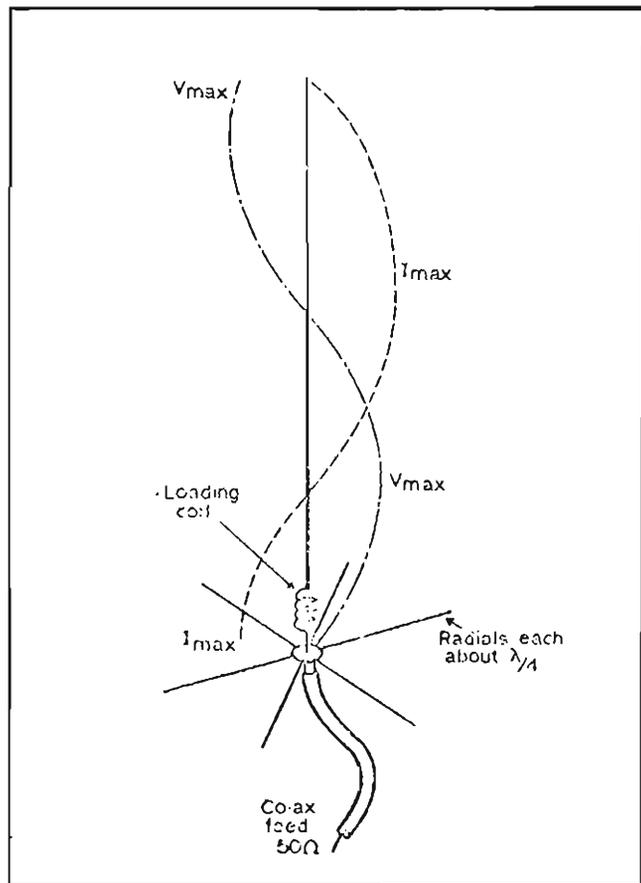


Fig. 4: Electrical configuration of the 5/8 ground plane antenna.

continued over ...

Antennas and Transmission on CB Frequencies

The Colinear Antenna

This is one of the very few antennas that, in vertical mode is not only omni-directional but can be made to provide a useful degree of gain over a dipole. There are various commercially made colinears available for CB radio operation but the claims made for gain should be viewed with some suspicion. For example a specification may quote "6dB gain" but which is quite meaningless anyway unless a *reference* is given. The standard 0dB reference aerial for gain is the dipole in free space (gain 2.14dB over an Isotropic) but first what real gain can be obtained from colinear systems.

A simple colinear array consists of two half-wave radiators made to operate 'in phase' so the total radiated power is about 1.5 times that from a single dipole i.e., the power gain is therefore about 2dB. The physical configuration of a two element colinear and its voltage and current distribution is shown in fig. 5. More elements can be used to achieve higher gain but with a conventional close spaced element system this will be about 3.7dB from a three element model and about 4.3dB from a four element model. Gain can be increased by spacing the elements wider apart and with a spacing of about 0.4 λ a gain of more than 3dB can be obtained with only two elements but then it becomes very difficult to achieve a suitable feed match and phasing with 50 ohms (or 75 ohms) cable. The vertical angle of radiation from a two element colinear is shown in fig. 6. All free space vertical antennas, should be high up, the higher the better.

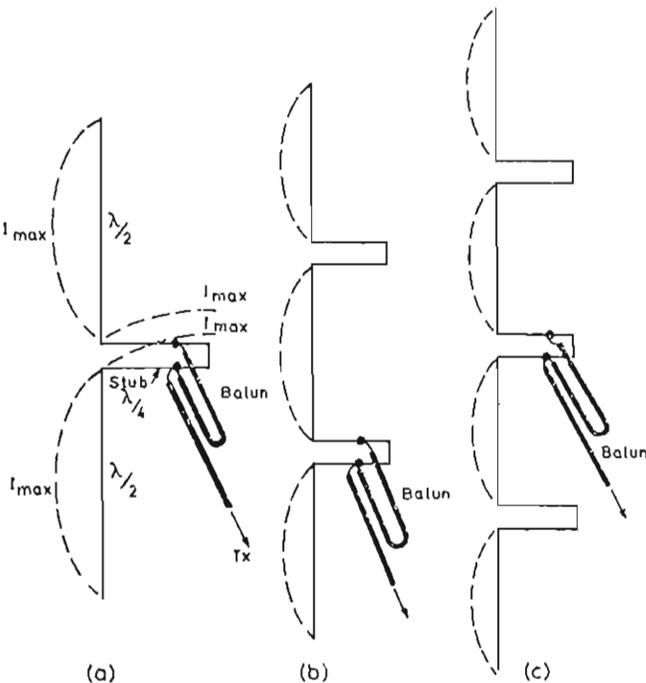


Fig. 5: Electrical configuration of colinear dipole arrays (A) a two element (B) a three element and (C) a four element.

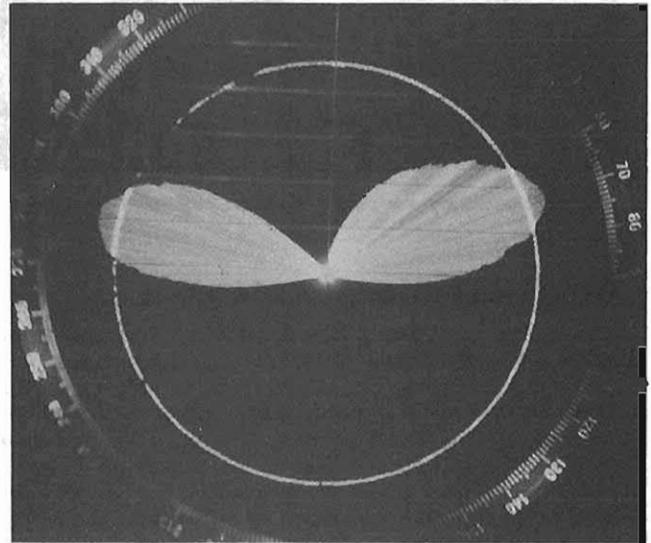


Fig. 6: Vertical angle radiation from a 2 element colinear antenna with gain over a dipole at approximately 2dB. The 'ring' indicates the horizontally omni-directional field. The thin vertical line at right angles to the pattern represents the position of the antenna.

Part 4, next month, will investigate the merits of various antennas in their more commercial format. There is still a long way to go to cover everything about antennas but in due course items such as feed cables, matching, VSWR (a very much misunderstood and misinterpreted subject), siting antennas and many other essentials for achieving radiation efficiency.

NOTE: The radiation patterns shown in the photos are from real antennas and taken from the writers antenna measuring equipment display unit.

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Club Spot

T.C.B.R.C.

The Telford CB Radio Club has now been formed for approximately 3 months. So far the membership is over 200 and still growing. At the present time we meet every fortnight on a Wednesday but due to the increasing popularity of the club we will be moving to a larger venue in the new year and hope to meet every other Monday night.

To be fair to other breakers in the 20 I cannot let you know where our mass jamboree's take place but if any breaker wants to know just put a call out on channel 14, I'm sure a breaker will put you on the right road. The club has found itself a solicitor who is slightly biased towards CB which is a bit comforting to the local breakers.

The T.C.B.R.C. is fighting for the legalisation of CB on 27 MHz to fall in line with the rest of the world. We also accept all the disadvantages (and advantages) of this frequency as we feel the proposed frequency is a joke.

The club welcomes all breakers and people interested in the cause. Must go now, all the high numbers.

THE POACHER

P.S. If breakers don't know where Telford is, it's about halfway between Wolverhampton and Shrewsbury, sometimes known as "Wrecking City".

Grantham Breakers

We have got about 300 breakers but haven't yet formed a club, we meet regularly at local barley pop shops and we have just had a disco and dance which went very well. We are having a disco and dance shortly and the profits will go to a local childrens home to use as they wish. We have a breaker who is on the air about 18 hours a day and helps with all hold ups in traffic and also gives out accident warnings, also on Sunday evenings we get a news broadcast of things that are going on around the "Gingerbread Town". We don't get any trouble from the local police so long as we don't annoy anybody. We all think CB is very helpful in emergencies and also for information and we think we can help the local police in accident situations. Well that's all for now. Wishing you all the high numbers. 10-10, Breaka-Break.

FALCON

C.R.A.B.

C.R.A.B. which stands for 'Citizens Radio Associated Breakers', is the name we've called ourselves to tell when a local High Wycombe and District breaker is on channel. The Club has 187 members at present with new breakers added every day. We meet about every three weeks at halls, clubs and barley-pop-shops, thus having no fixed address at present.

We hold a raffle at the meets and have already raised £100 for the Jimmy Saville Appeal Fund.

So now you know we exist, put out a break on 14 if you are around the High Wycombe

20. So here's all the 88's and 73's, 10-10 till we do it again.

PLASTIC RAT, High Wycombe

CB Cruisers Club

We began the first week in November in Colwyn Bay North Wales. So far we have 40 members but we are growing all the time. We meet every other Wednesday night for an eyeball at 7.30. We do not want to publish an address for obvious reasons but anyone in the area should ask a local breaker where the eyeball is held. We break on 19 and you'll find loads of friendly buddies in our 20. I think we are all mad up here, take New Year's day for instance - all the Committee have been conned into taking to the sea for a sponsored swim!

We are all out for a good time and want to see better communication between breakers throughout the UK. We demand to see 27 megs and say no to 928.

Everyone is welcome to join us whenever they are in North Wales. Bye for now 10-10.

NAKED LADY

Secretary C.B.C.C.

The Big E Club

Just a quick mention of our Club - The Big E Club of Tottenham. In our first 3 weeks as a club we had 600 members. Unfortunately we had to stop the club from expanding anymore than that as the hall has a limit to the amount of people it will hold. So a stop to enrolling new members had to be enforced giving us a waiting list of 300 breakers.

However we are at present holding our meetings or eyeballs or whatever you wish to call them at Lazars Discotheque in Haringay on Tuesday nights. I say at present as this is just a temporary affair at the moment. Initially 4 weeks but we are trying to secure Lazars for regular meetings on Tuesday nights. No promises mind! All breakers are welcome to Lazars, there is a 50 pence entry charge at the door and the only rule is that no training shoes are to be worn.

10-10 for now.

Committee members of the Big E Club
Tottenham

Don Valley Breakers

Don Valley Breakers meet every Thursday at 8 p.m. The place, Earl of Doncaster, Bennathorpe Road.

We arrange disco's, treasure hunts, film shows etc. The club is around 300 strong, growing every week. Membership fee is £5.00 per year, anyone wishing to know more, contact:

Mr V. Lowe (Secretary)
35, Everingham Road, Cantley 2,
Doncaster, DN4 6HB
Phone 52266.

Warwick and Leamington Citizens Band Operators

We are yet another addition to the growing band of CB clubs in this country. The club

was formed in September by several local breakers and by the time this letter goes into print we expect to have in excess of one hundred members.

We meet every Monday night at the Binswood Tavern in Leamington Spa. The meeting starts at about 8.45 p.m. and winds up at closing time. We welcome all comers but please come clean folks. If any clubs reading this would like to contact us with any information, rallies and any other events they are organising contact us on 0926-314021.

Until then it's 10-10. Breaker break.

BIG D.

Circle City Breakers

We hold our meetings every other Tuesday at the meetings which are attended by about 120 members and visitors we begin with a formal discussion on matters arising from the last two weeks and then throw it open to the floor for any points which people would like to discuss. We then take a break for sandwiches and a raffle (no rigs). These dispensed with, we then pass on to a free and easy so that everyone can have a good ratchet.

HIPPO.

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Barnstable Breakers Club

We have been formed for two months, as I'm writing we have 50 members and more to enrol, club meetings being every other Friday at a 20 point arranged, this can be obtained by ringing 0271-814080.

All new members are welcome, the club being C.B.A. registered. As we are situated in the heart of the tourist area, all breakers are welcome. We are on channel 14 or the land line.

Finally on behalf of the club, we would like to pass our thanks onto all other breakers who have made contact or eyeballed us whilst in our home 20, 73's to them all.

73's. THE CASTAWAY
(Secretary B.B.C.)

Clyde Coast Breakers.

Just a few lines to let you know of our club from the Ayrshire Coast of Scotland, the Club started about 6 weeks ago and already we have around seventy to eighty people attending our meetings. The club meets on the first and third Tuesdays of every month in a Stevenston Hotel, any CBers reading the mag who have not yet come to the meeting would be very welcome. You can find out the time and place from any of our local breakers. We have had a write up in our local paper after a reporter attended one of our meetings and also the full back-up of our MP. Well we will keep in touch, and let you know of anything we do so I'll go 10.10 and wish you all the numbers.

Ginger Rogers (Secretary)
Clyde Coast Breakers, Ayrshire, Scotland

C.B.C.B.

After a long running row over frequencies Keith Townsend and several supporters left the club they had formerly represented in Wolverhampton, and set about forming a new club with a strong campaigning body.

At this time there had been trouble in many CB camps over which route they would follow. The choice being to plumb for 27MHz only or to fight for CB on any other suitable frequency, the government already having refused 27MHz more than once. This was a very frustrating time indeed for Keith and colleagues who favoured 27MHz for CB operation, but wanted to see an end to the senseless persecution of people who apart from their interest in radio communication are normal law abiding members of the community.

And so after many a long committee meeting, a new campaign was formed to fight for a citizens band on 27MHz if offered or another suitable frequency, Campaign for British Citizens Band took its first steps by meeting at the Tyburn House public house, Tyburn Island, Birmingham (about 3 mins from Spaghetti junction.)

Only two days after forming a committee Keith and two C.B.C.B. members went along with James Bryant of the Cheltenham based CBA, to present the Home Secretary with a 5 foot by 3 foot post card urging the speedy introduction of Open Channel CB.

Meetings of C.B.C.B. take place every

second Thursday at the licensed premises of Gordon Southall, a keen advocate of the cause. The newly formed club is proud to be able to boast guest appearances from MPs Austin Mitchell and John Bucher, who have lectured along with James Bryant on lobbying plans for the future. Their most recent acquisition was to gain the support of 10 times world champion motor cyclist Mike Halewood.

Mike has used CB on his travels around the world, and says that the sooner Britain adopts the idea, the better.

Members were recently over the moon to hear that Mike has agreed to act as honorary president.

As secretary to the new club, Keith Townsend is no newcomer to the CB scene. He has been actively campaigning for the introduction of cheap easily available two way radio for several years. He also acts as secretary to the CBA, and sits on the National Committee for the Legalisation of CB Radio. Besides the meeting with Mr. Whitelaw, Keith acting on behalf of all parties has "got at" other important people, such as Tim Raison and Norman Fowler the minister of transport. And at these encounters is able to do a lot of behind the scenes work for CB.

Campaign for British Citizen's Band welcomes all in the Birmingham area who are interested in seeing the speedy introduction of CB radio into Britain. Anyone wishing to know more about it's work should write to Keith Townsend at: C.B.C.B. 1 163 Yardley Wood Rd, Yardley Wood, Birmingham.

Woody Wexler.

The LOTS CB Club.

The Land Of The Stars C.B. Club was formed by Nano Nano around 1st June 1980, with the main aim in mind of bringing breakers from Holywood, East Belfast, and surrounding areas, together socially.

At the moment there are 700 members and membership is rapidly increasing. The Club is affiliated to the United Breakers Association and therefore has a very strong interest to keep C.B. on 27MHz. To try and further this aim L.O.T.S. C.B. Club organised a rally to Parliament Building, Stormont on 2nd August 1980, which was attended by approximately 3000 Breakers.

Socially, Disco's and Barbeques are organised, and a club meeting is held once every two weeks.

The membership fee is 30p which covers card printing and registration, also 20p is collected at each meeting to cover the hire of the hall. Occasionally money is collected and donated to local Charities.

That covers our Club, and hope this puts us on the map, so I will give you 10:10 for now and catch you again.

Skyscraper
(Committee Member L.O.T.S. C.B. Club)
Holywood, Co. Down, Northern Ireland

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One more country goes 27

France opts for 27 MHz as a legal Citizens Band.

For some time now all members of the EEC have been co-signatories of the Treaty of Rome agreement, internationally recognising 27 MHz as the CB frequency. In our July issue we reported on CEPT (Conference of European Posts and Telecommunications). At that time they seemed to be heading towards a frequency of 900 MHz. The French were studying a 900 MHz public mobile radio telephone service in order to test its effectiveness. The results of this testing are unfortunately not yet available, although for some reason the subject seems to have been hushed up, could that be an implication of their results?

International Radio Communications

The IRCC (International Radio Communications Committee) met in Geneva from the 2nd of June through to the 3rd of July. One object of the meeting was to discuss in an informal manner a standard for an international Citizens Band or leisure frequency. At the meeting great emphasis and discussion was put on the possibility of 900 MHz as the standard and hopefully internationally recognised frequency. Specifications discussed were between 860 MHz to 960 MHz with band width of between 3 to 4 MHz.

The general feeling then being that the Europeans would like to see a 900 MHz standard CB frequency as reported by us, it was expected then that Britain would announce in its proposed document that a frequency in this range should be considered. France at this time was as we have said looking at 900 MHz with some serious consideration.

A Reversal of Policy?

At the end of November France announced that a Citizens Band service was to be legal and freely available to her citizens.

The French PTT (Posts and Telecommunications) is to issue licences for 27 MHz FM for all equipment that meets type approved specifications. The French CB will operate with a power of 2 watts using FM (Frequency Modulation) on a provided 22 channels, there is no examination needed to apply for a licence and the fee is £2 per year. The only stipulation being that one must apply for and pay for the first 5 years, thereafter yearly renewal is possible.

Applications for this licence we are informed, have been accepted since mid December, so issuing of CB licences will no doubt be well under way by January 81.

The French press are hailing this decision to allow 27 MHz as "A compromise between the Government and the Users". Evidently in the months prior to this announcement the use of 27 MHz watt equipment in France more than doubled. Thus the French Governments proposals (which are similar to our own Governments) have been successfully shot **down**.

A Conclusion!

Having now seen one more country on our doorstep legalise 27 MHz it must give hope to the still illegal CB enthusiast here in Britain. It would be fair to say that our British Government was following or attempting to follow Europe when announcing 'Open Channel'. The situation has now changed, it will no doubt be a struggle to convince our bureaucracy of their blunder in suggesting 928 MHz, but now with a valuable ally shutting the door on 928 MHz, where is our Government left? Alone!

JOH

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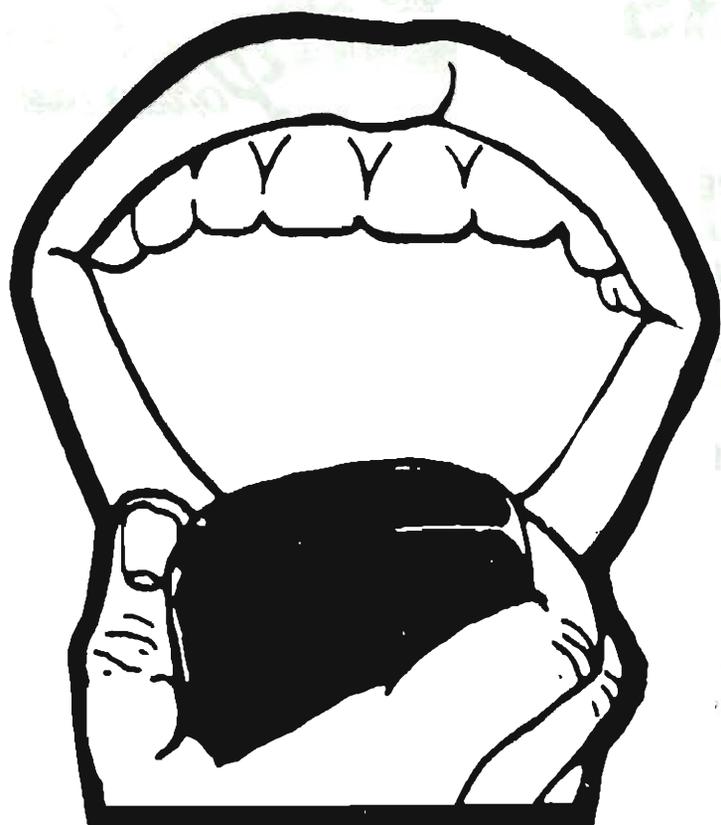
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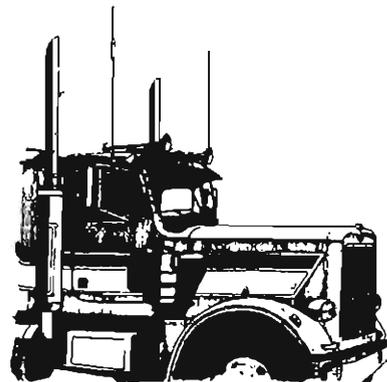
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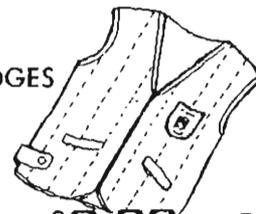
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Since CB is illegal here in Britain, there are naturally a few side effects peculiar to our circumstances. Perhaps one of the easiest ways to recognise a CBer apart from the DV27, would be the furtive glance over each shoulder before raising the microphone to his or her mouth.

Persecution is another side effect of CB, unfortunately that word is all too easy to use. There are people who take an unusual interest in busting for CB, there are equally others not interested in the slightest. The unfortunate thing being that the persecutors (for want of a better word) rarely have any authority to act against CB.

Now that in itself is another peculiarity to Britain, how can you have something that's illegal, yet no authority to deal with it?

Without wishing to dig at our Irish friends, it does to use the term, sound "Irish".

Here we have a short term peculiarity. I say short term because Parliament has opened and you can expect legalisation. In fact there is a possibility that legalisation may have already been announced for whilst this is the January 81 issue it was written way back in December 80.

A Bust Fund?

Regardless of legalisation either pending or announced CBers have been caught and prosecuted in the past and will continue to be caught in the future, CB is after all illegal.

To be truthful though the greater majority of those caught, if they are prepared to stand up for their rights and have read our "The Law and You" spots from last year should never have been busted.

However whilst it is all well and good to announce that the police cannot act without the Customs, there are very few individuals prepared or able to stand by their guns.

Because the risk of being caught started to increase and nobody really knew their rights, clubs began to form with the sole intention of paying a busted breakers fine. It would not be true to say this was the driving force behind all of the first clubs.

However many clubs do and have operated a Bust Fund quite successfully. There have also been insurance schemes launched, many of which start with good intentions but do not get the support from the breakers.

Wherever there is money to be made you will find a shark or two ready to make a quick killing and disappear. Unfortunately as always happens it's this minority which

sours the ground.

Back in late 79 there was one enterprising young chap who extracted £12 from quite a few breakers in the promise to pay their fines, he was never seen again.

The only successful way a bust fund can operate is on a local basis where clubs have a whip round for the busted breaker. The money can then be seen and collected for an individual, not held by anyone else.

An Insurance Scheme?

Again anyone parting with money is always reluctant to hand it over to a total stranger in the hope that when and if he is busted his fine will be paid. And quite rightly so!

Legally anyone insuring against such busts could be said to be encouraging an illegal activity. For is it not the fine that is designed to deter the act? If the fine is of no consequence then the act can be easily committed.

This was the thinking behind the NAL 27 which is dedicated to fighting for 27 MHz. However the response on the semi insurance side was very low and we believe that all the money sent in is being returned.

If one particular reputable organisation should offer an insurance scheme and the response was good then it would work! That is basic logic. However the problem is always one of legality, to offer any payments in order to lighten the penalty is tentatively illegal.

Yet such schemes are in existence, one who advertised with us recently was "The CB Fighting Fund", a subscription to which cost £3 for one year. They offer in return to pay costs incurred of any busts over the sum of £100 up to a maximum of £750.

Another known as "The British Breakers Insurance Plan", they offer to pay up to £150 for a premium of £15 or up to £350 for a premium of £30. Their cover is for one year or until your first conviction, whichever comes first.

The latter sounds like a more realistic price to maintain operation although it does work out expensive for the individual. To raise a fine of £120 with the first scheme would require 40 subscribers whereas with the latter it would only require 4 subscribers.

WARNING!

Having lightly touched on the subject we must now be responsible and point out that with any form of insurance scheme your money once paid could make you an accessory to any offence that the Insurance Scheme may have committed in offering such insurance.

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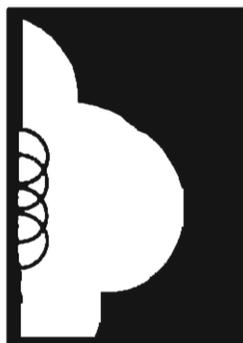
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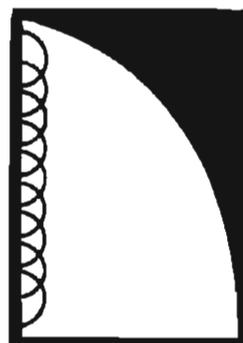
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Vultures on the Side



The second time around for Suicide, SBS 1.

It's part of my life

After getting busted once for CB and managing a fine of £190 you would probably be excused for thinking "that's the end of Suicide on the Air". Excused that is if you don't know me, which obviously the courts, authorities and powers that be, didn't. I have changed that a little since then. Not long after my first bust 'Doobrey' and I started a club - SBS for CB users in the Twickenham area. We started with just a handful and now have a membership of over 1,200. I have personally presented the station sergeant at Twickenham "Bear Cave" with a CB monitor and a club handle sheet, so they certainly know me by now.

However let us not get ahead of the story. After being busted I thought long and hard where I would hide my next rig. I tried all the usual places, tucked away under the dash, hidden inside a car radio cover, I even tried the back upright of the passengers seat. Anyway! I tried them all and soon got fed up with tangling the microphone cord around the gear knob or wrapped around the seat adjuster, it made driving damned awkward and certainly made copying hard work.

So I resolved to come out, I slapped my rig slap dab in the middle of the dash board and placed a 4 foot Firestik (what an advert for Wintjoys) on the roof of my gleaming white Range Rover. Thus I rode a CBer from top to toe, complete with a few stickers on my rear window just in cast the dummies couldn't work out what a Firestik is nor normally used for.

I had almost begun to think I was immune when the obvious happened, a young PC in an Allegro got the message and tailed me all over town.

I am often accused of riding on an Ego cloud but what the heck, I couldn't resist the challenge and I put my foot down (if you have ever seen an Allegro chasing a Range Rover, you'll know it's quite funny), well I was making ground and I began to think that perhaps I could turn a corner or two and lose him. But it was not to be, I rounded a bend and ran straight into half of the SPG. Either there was a bank robbery or they were taking me seriously because they had the whole road blocked.

If you can't stand the heat

There I was cornered, no way back, and certainly no going on. I switched off my engine and decided to pretend I didn't exist. Unfortunately the Police Officer who had been chasing me didn't know how to play ostriches and he strolled up to my vehicle and asked, "what's that on your dash, sonny?" In no mood to answer him I replied, "a bloody CB, what do you think it is". He

responded with "well then you're bloody nicked"

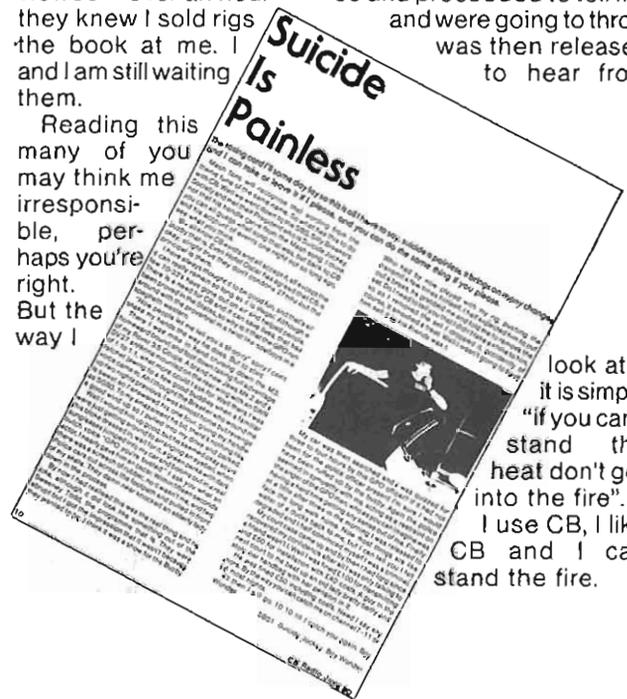
Of course I asked what for and on what grounds, and he pulled the old section 66 bit. "I have reason to believe that the CB Radio in your vehicle is stolen or unlawfully detained, can you produce a bill of sale for it?"

I couldn't, didn't, and was arrested. I must say that I have always had a dislike of the police when it comes to petty crimes and I regard CB as just that, petty. Having said that, I should say that on both occasions the police have been helpful and astonishingly pleasant especially considering my non co-operation.

After about 1/2 an hour of hassle at the police station they believed my story that I was on my way to a funeral and let me go providing I returned the same day, which I did. However firstly I removed the other rigs from my vehicle, they were just laying on the rear seat, then I went home and cleaned up there.

On returning to the Police Station the Customs and Buzby were there, actually they were jumping up and down because I had been released. The customs interviewed me for an hour so and proceeded to tell me they knew I sold rigs and were going to throw the book at me. I was then released and I am still waiting to hear from them.

Reading this many of you may think me irresponsible, perhaps you're right. But the way I



SBS Suicide Jockey

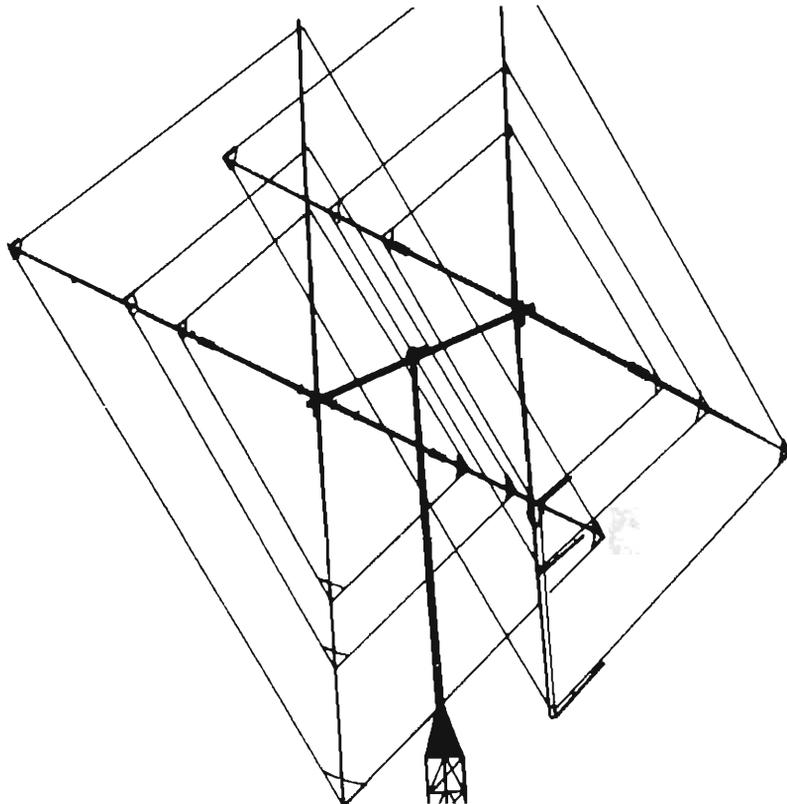
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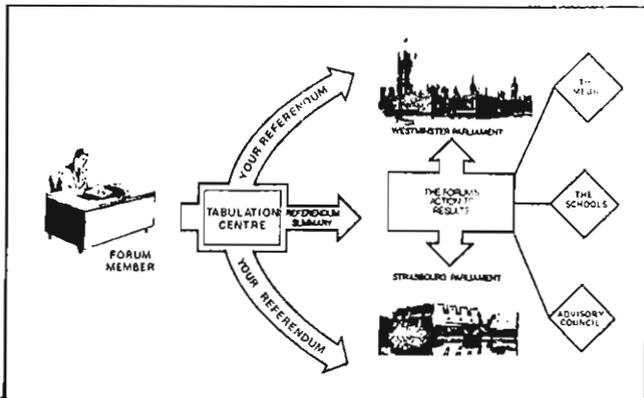
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Forum of Private Business

The co-ordinated strength of independent enterprise tackles CB.

The forum of private business is a new concept in the representation of private business. One which has proved to be successful in other countries in the Western World. The object of the Forum being to speak to National and local Government officials on a regular and continuing basis, putting forward the arguments, needs and requirements of the private business.

A simple if slightly unjust way of describing the forums function would be one of a tabulation centre designed to get the opinion of its voters noticed by Parliament.



The Referendum

The forum has many members in the private sector that subscribe to the service, this service is intended to give the small business a single effective voice.

This voice is found in 'The Referendum'. Nine times a year the forum sends its members a statement of current national and European issues in a broad sheet called 'The Referendum'. This carries articles discussing some of the Forum's views about a specific problem that may affect British private business. In this referendum questions are posed on these issues and the subscriber is asked to vote, these ballot forms are then returned to the tabulation centre where the vote is counted. Each form has space for the members own personal comment which will be drawn to the attention of his or her own Member of Parliament at Westminster and in European Parliaments.

Now these tabulated results when returned to the Forum become the mandate for the Forum and in this way action is decided by the membership.

By posing relevant questions on proposed legislation

and obtaining views and comments from members the Forum enables MP's of both Parliaments to have the benefit of the practical experience and business acumen of the voting members before making a decision in Parliament.

Self employed CBer

One of the questions asked by the forum is on Open Channel. Number three asks "Are you for or against the Governments Discussion Document on Open Channel Radio".

Setting out in simple terms the arguments as the Forum see it, both for and against CB the voter is asked to record his vote and return it to the forum.

This question came about after quite a few members of the forum asked for CB to be covered.

One member of the forum sent them a copy of "CB Radio" and hence our involvement. We will be interested to see the results of the questionnaire within the private business sector and will be keeping you informed.

Although the official closing date for comments on the Discussion Document has now long gone, (30th of November), they have agreed to accept the Forums results when compiled and presented.

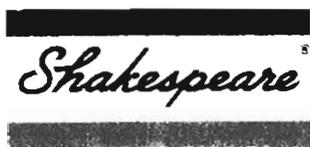


You can see the results of our own survey in the next issue "27 MHz outweighs the rest" on page 27, where else!
JOH

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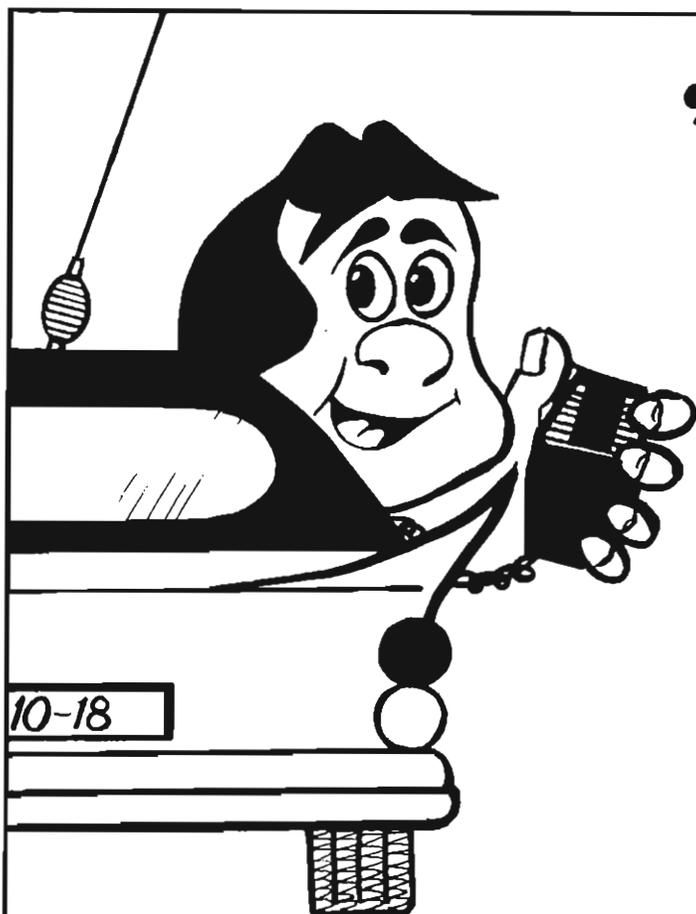


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QSL An Arizona Pirate

I had read and heard about you British P.rates but I guess I didn't really believe all the stories. So much so that when I actually copied a British CB station I still couldn't believe it. Then later when I received a QSL card and a letter from Chris and Alison, still a surprise, well I guess it started to sink in. There in front of me I had printed proof that the station I had copied was actually a British Pirate.

I myself have been a pirate or bootleg CBER for many years now. You will no doubt have heard of our FCC and some of the rules laid down by them. The penalties aren't as stiff as yours. Hell, I mean it's not actually illegal to talk over here but there are certain limits, most of which we all flaunt. Even so we are just your average clean cut, clean living, American family. CB has just become a part of our lives.

Some time back I started up a small CB business just to help me and my friends get better equipment. Since then I have shipped gear all over the world, it's only part time but it's kinda funny when you copy a guy you supplied, especially if he's a long way off.

Anyhow it's a pleasure knowing you all exist and any British cards I receive will be QSL'd 100% so I will just let you know that my feelings are with you

Regards to you all, John & Judy.
Phoenix, Arizona.

Via Chris & Alison. (see issue no.3)

Breaking Channels

As we said last month there has been a lot of readers asking what number channel would be used where.

Opposite there is a map with a few channels that have been chosen for breaking channels when legalisation comes.

If you don't agree or if you have a channel in mind, write.

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Bristol	19
Cardiff	14
Hemel	14-19 from North
Leicester	19
Luton	16-19
M1	19
M3-M4	14-19
Sheffield	5
Somerset	14-19 from North
South Coast	14
Southampton	19
South Ireland	11-16

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Readers Write

Dear JOH,

With reference to the article by T.H. Winzor in Issue 5, I get sick and tired of hearing people saying if you want to use radio for transmitting, study and sit the Amateur Radio Exam. Haven't these people sense enough to see we are fighting to get CITIZENS BAND RADIO, not Amateur Radio. Not everyone can take examinations, not everyone wants to DX. We want a simple workable system to enable ordinary people to communicate with each other, and we are not MIKE HAPPY PIRATES. I resent the implication that anyone using CB becomes self trained, and we do have a written Code of Conduct. The code is strictly enforced.

Mr. Winzor then calls all who use CB nasty names and blames them for all interference to emergency services etc. I wonder who has been whispering in his ear. Then after putting CB users down he says of course I shall have a transceiver when it becomes legal. Well done Mr. Winzor, sit on the fence and let all those Pirates fight to get CB made legal. We at Don Valley Breakers award you The Rubber Duck of the Month, you must have long legs to be able to straddle both sides of the fence. I only hope you don't get caught in the middle and I am not a young pirate. I am a disabled person who has every cause to welcome CB or open channel.

So I'll say 13-1 to you mate.

V. LOWE
Secretary Don Valley Breakers

Dear Sirs,

After living some years in the States and Canada, I've only recently gotten into the CB scene. However once it gets you, there's no getting away from it. I no longer watch any television!

What has moved me the most is:- when visiting a strange city, there is no need to feel the lonely stranger. On a recent trip to Manchester I had made several contacts in a very short time, and by the end of the first evening I had eyeballed three local breakers. With a CB at hand even the strangest of cities is alive with warm and friendly people.

I must say I am astounded by the way our British CB scene has adopted almost 100% of the American CB lingo. For a country that has a tendency to scorn Americanisms, the sounds of our local British Breakers coming forth with the likes of "Good Buddy" is just amazing! As for Smokey the Bear, that's as American as the 4th of July!

I'm looking forward to the legalisation of CB. For myself I would prefer to see it on an alternative wave band to 27 MHz, (not 928 MHz) as I feel a far superior service could be possible.

Sincerely,
DRAGONFLY, Worcester.

Dear Sir,

A trip to Scotland some nine weeks ago unearthed the grand sum of THREE breakers in a well known Tayside capital city with one satellite breaker some 28 miles north of said fair city. A return trip two weeks ago afforded me a pleasant surprise. The same city sported over FORTY breakers, well organized with a new club complete with a competent committee. In an attempt to

ensure these breakers remain up to date a copy of each back number of CB Radio magazine has been despatched. By courtesy of your pages I would like to send 'all the high numbers' to 'Mad Max', 'The Undertaker', 'Half Pint', 'The Dodger', 'The Flyer', and the 'Toe Cutter'.

This dramatic increase in breakers is not restricted to the area I visited. I estimate, based on conversations with many Scottish breakers that there are at least 5000 breakers in Scotland and this number is growing very rapidly. This growing trend throughout the U.K. could easily lead to a similar situation to that which occurred in Australia and New Zealand where sheer weight of numbers forced legalization. Whilst it may need this weight of numbers to force a sluggish Government to make a decision it seems clear to me a more 'skip' free frequency is required as currently the 27 MHz band is unusable on some occasions except for very short distance communications.

Do any of your 'radio ham' readers know what band the current CB 'rigs' could be easily and inexpensively be converted to so that 'skip' and atmospheric interference would not be a problem?

THE AUCTIONEER, Milton Keynes.

Dear CB Radio,

I am a hypocrite, I'll openly admit it in reply to Sidewinder's letter and your comments in Issue No. 5 of CB Radio.

Yes, I would favour VHF for a CB frequency rather than 27 MHz. But I use 27 MHz now because this is where it is all happening at the present time. Also I shall continue to use 27 until the government give me a satisfactory legal CB frequency that I can use, and I pray that it's VHF.

So if I am a hypocrite, may I be allowed to call Sidewinder, in a very nice way of course, (we are all good buddies on CB) ignorant, and any one else who has never played with VHF rigs and screams for legal 27 MHz. I own a Trio 2300 2 metre portable rig, 1 1/2 watts output through a 19 1/2" 1/4 wave telescopic antenna or a 7" rubber duck. Although basically a portable rig, the 2300 can be used mobile or from base. An accessory lead is supplied that fits into the back of the rig and can be plugged into the mobile or base power supply. One can also fit mobile or base antennas into the unit. The 2300 has 80 channels and came to me complete with rechargeable batteries, charger, and accessory lead, all new for £166 inc. Vat. If one deducts Vat and import duty, it would work out about the same price that one could purchase a 27MHz 40 channel rig. I have also a 10 watt after burner that comes as a matching unit for the 2300.

As a portable unit I have frequently worked my good buddy 4 miles away whilst we are walking our dogs with a 5-9 copy. My pal also has a similar rig. I can also work another buddy or mine in Twickenham from base using the 10 watt burner through a 'Slim Jim' which is home made from a 5' length of 300 Ohm ribbon feeder that is suspended in my loft. If the south London repeater is clear we can work each other on 1 1/2 watts through the repeater. I can also access the North London and South London repeaters whilst using the rig portable from any room in my home base (Wallhamstow) 20. The North London repeater

is in Enfield 4 1/2 miles away as the crow flies and South London repeater at Crystal Palace 12 1/2 miles away. I have worked a guy who was at the Devil's dyke near Brighton, and I was sitting in my lounge. Both of us portable, 1 1/2 watts, through S/London repeater. Briefly, a repeater is an unmanned station that receives on one frequency and retransmits on another. Most rigs have a function switch that automatically allows the rig to use this method.

Apart from the superior range on lower powers, the quality of the frequency is really something. No 'skip' or other QRM or QRN. None of the screeching, bleeping, or other strange noises that one gets on 27 MHz. One doesn't often ask for RPT, or as we say 'Give us a Nine'.

All the present 27 MHz breakers that I have demonstrated this VHF system to, have been convinced that VHF is the frequency for CB or 'Open Channel' of the future.

I would like to bet that I will not be the only one that replies to 'Sidewinders' letter in favour of VHF.

MACK THE HACK, London.

Dear Sir,

I read with interest your article "Vultures on the Side", in Issue 5 of your magazine. May I just point out to yourselves and all the, what must be thousands of breakers in London, that contrary to popular belief among breakers us London Bears or Smokies are right behind you. I have spoken to many many policemen who are all of the same opinion, that CB in what ever shape or form it comes will be and is now, an aid that can only help the police force in general, and obviously you the members of the public.

Our reaction to any incident is hindered by the amount of time it takes for a member of the public to dial 999, then for that call to be put through to Scotland Yard, and the call eventually to be put out to local units, to deal with. Had CB been in use on a channel 9 type system, the time saved in answering that call could on one hand be the difference between catching an armed robber or mugger, and saving a life on the other.

Because of the complicated natures of the laws surrounding the use, import, etc. of CB, who should be called to deal, who can take what, and who can do what, most police officers even though they may not agree with CB will, "if at all possible" not get involved, I suppose really through fear of being made a complete fool of, like the P.C. and "senior officer" in your article.

Although no doubt I would be looked down on by senior officers in my force, and no doubt were it to come to light, dealt with by way of discipline, I for one would turn a blind eye to any user of CB that I happened to come across, I think I would be right in saying that "most" policemen in London would feel the same way as I do.

Anyway I look forward to the day when you do become legal, I hope on 27 MHz, when I will be at the head of the line to buy my new rig already armed with my handle, "The Body-snatcher".

All the high numbers, 10-10, I'm gone.
P.C. ANON.

**IF YOU HAVE SOMETHING TO SAY
WHY NOT WRITE . . . continued over**

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Readers Write

Dear Sirs,

I will be frank and get the nasty bits over to begin with so that if you wish you may consign this to the nearest bin.

I am and have been for the past 18 years a Smokey Bear, but I have been a radio enthusiast for 30 years.

Late in the fifties I was aware through skip and an ex WD communications receiver, of the birth pangs of CB in the USA. I remember its fitful beginnings in this country until it has achieved the following it has today.

I listen - mercy sakes - to the modulations on the side, whenever I can get the chance. I enjoy what I hear but as it is unlawful I resist the temptation to get out the green stamps and buy a rig and join in. This is not being "holier than thou" but commonsense, because good buddies, I would if caught, lose more than a rig and green stamps in a fine. I would also lose my job and the sole livelihood for three kids.

So having explained about me, how about you. What you have in CB is surely the best thing since sliced bread. So whatever is the matter with you, I read in your mag that the committee who are fighting for legalisation are at one another's throats, I see photos of a fellow smokey being drawn over the fires of "Big Ears" for not having enough powers to seize the rig without going to a lot of bother. Night after night I hear "Smokies in plain wrappers, smokies active in jam sandwich", now don't get paranoid, we are not after you all the time. Come the day of legalisation the only thing you will need to bother about us for is either help or to get your feet off the loud pedal.

I head the occasional 'gonk' on the breaking channel being idiotic or using foul language. If you know them expose them and get them out of your hair. I see anti CBers getting press coverage saying how many services CB interferes with, write back and make them prove every point. Tell the contacts you have in British electronic industries that if they do not push for legalisation as well, then there will be CB by default with the market swamped with foreign rigs and 'soft-ware'. Write to your MP's pointing out that CB has its good points.

If you have an interest in CB you should have done something.

All the high numbers,
I'm gone.

HAPPY JACK.

CB on 27MHz or not?

Fellow breakers and readers, having read the latest batch of letters in our magazine CB Radio, I felt that I must write a letter myself. Instead of all the shouting about what we want and don't want, we should all unite together to fight for CB to be made legal NOW and not some time in the future.

The government of this country along with all EEC countries and several others have signed an agreement called CEPT PR27 in 1972, which set up a common European standard for 27 MHz CB, this is for our country as well as all the others, after all we are in the EEC or are we?

I feel that if we have to wait for a new frequency and a new type of CB rig, that it will be a rip-off because British industry have already stated that they cannot make a CB set for the price that they are being

sold for at the present time, they would be at least £200 more in price.

Anyway there are plenty of CB sets already on the market, enough to satisfy almost everybody's needs from a base station to a set for your car.

So come on its tutele to fight among ourselves, unite now with one voice for CB in GB NOW, I have had my say so I'll say ten ten till we do it again.

CHOCOLATE ECLAIRE
SBS 375.

YOUR QUESTION IS ANSWERED BY TIMOTHY RAISON IN OUR SPOT PARLIAMENTARY REVIEW.

Hissing Sid Shot J.R.

Right, now I've got your attention read on. If you don't agree with what I've got to say write and say so, (I'll start an argument if it kills me).

Firstly if you are in Watford watch yourself. A certain Radio Control manufacturer in North Watford (no free advert!) monitors our channels, establishes a pattern and then advises the PO (sorry BT) when and where to bust. So far they've been fairly successful. Anyone got a Radio Controlled Spitfire - with real guns?

Secondly, let's get our own language going. Forget the Americanisms and try cockney or dialectal slang. Are we so second rate that we have to copy the Yanks? Whilst on the language line can we please cut down the swearing on Channel. Every time someone abuses the airwaves it gives the authorities more ammunition to throw back at us (and it annoys my "trouble and strife")!

I'm an electronics engineer, totally dedicated to 27 MHz anti-VHF (except 40 MHz-VHF TV) and have contacts in the PO (BT) C&E and Blue Brigade.

My experience is that they are in general very sympathetic to us, but they have a job to do and must do it if they want us to stay employed. Unofficially they often overlook things when they make a "bust" which they could add to your charge. If you want to hassle anyone, kick up a stink with the Westminster mob. Petition, write letters, contact your MP, organise demos (peaceful ones and leave your rig at home). It does work and it does matter. They've already reviewed the RC conditions and offered them alternate frequencies - us next?

Well I've had my say - now it's your turn. All the breast, (sorry 'best' - it's this damn pen) catch you again soon.

THE VIKING
(Just outside Watford)

Dear ED,

The word is going around that legalisation of CB is from the first of February 1981, is this true? If it is true I am pleased that the HO and GPO have come round to our way of thinking that CB does save lives and it is a means of keeping in touch.

Merry Christmas and a Happy New Year to all you breakers and to CB Radio.

GOLDEN ARROW,
PATHFINDER 1, Mansfield.

Time will tell, the same rumours were flying last year, poor old H.E. got taken in so we shall remain silent. But I personally would say it is extremely unlikely and no way,

ED

Dear Sir,

I have become increasingly interested in CB Radio during the last few months and have just read your issue 6 of CB Radio.

My first impression is that we CBers have nowhere near enough publicity. Even if there are around a million 'rigs' in the country we are still very much a minority. This is very obvious when you ask any average member of the public what CB is and they think it is something to do with their local radio station.

I have thought of 2 ideas that could make some impact:

1) I think it would be a good idea to pressurize the TV companies into producing programmes to inform the masses of Britain about CB Radio. Programmes like 'Panorama' 'World in Action', Chronicle on BBC 2 and Robin Days discussion programme would all inform the masses of this country of our struggle against the Government and of their stupid ideas.

2) Secondly has anybody ever thought of writing not to the Home Office but to the Chancellor of the Exchequer. If a few hundred letters fell through his door telling him that he could get at least £10 million pounds straight away, (let's face it everyone would gladly pay a £10 licence fee) I am sure that some internal memo's would start passing the Treasury and the Home Office.

The Government cannot be expected to bend quickly to public opinion when three quarters of the UK public do not know.

Yours sincerely,

S.D. (Nottingham)

Dear Sir,

Some friends and I were discussing why it would not be possible to make life as difficult as possible for Home Office and British Telecom by setting up regional information centres regarding their activities. There would be two phone numbers per region, one number would be an answering machine ready to take full details of CBers who had received visits from the Home Office along with a phone number where they could be reached to confirm such information. The second regional number being a recorded message giving out the collated information from the first number to indicate where and how the authorities are currently working. There are other details but I would be interested in your comments and from the solicitor working for your magazine.

Yours faithfully,

NIGHTFLYER

This would be considered by the authorities as a form of organised crime and would cause the instigator to become a conspirator, and liable to hefty punishment.

ED.

Dear ED,

How about a monthly black spot or similar, my nomination:

How's this for a rip off. A simple double ended female coupler, merely to connect 2 PL259 plugs - £4.20.

I suppose the shop should remain nameless and profitless but are these prices REALISTIC hint-hint. For the slower most of these shops are just 'Andy in the High Street, not them.

Can anyone beat that for a rip off, though.
SUPERSCOUSE (Cambridge).

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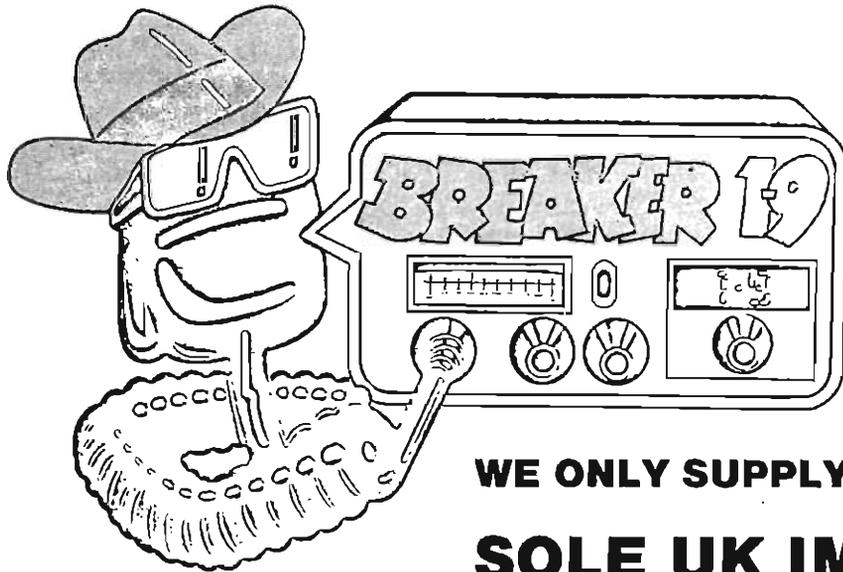


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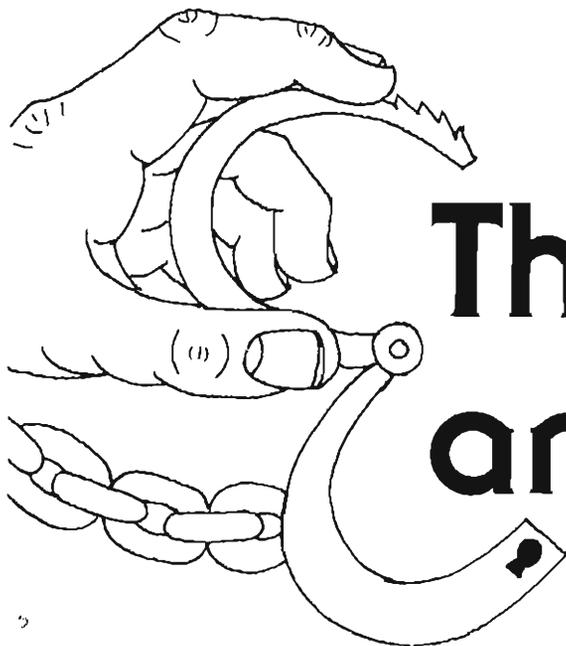
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10-10 BREAKER BREAK



The Law and You

A Circular issued by the Post Office to Police Officers in the GLC area.

To All Officers re: CB Radio

This Band of 27 MHz, is a set of radio frequencies assigned to general public use in the U.S.A. and parts of Europe. Its use is illegal in this country, as is the Importation of the Radio transceivers which are used for it. Installation of a set (i.e. connected to power and an aerial) and/or use is an offence under the WIRELESS TELEGRAPHY ACT 1949, Section 1(1). The maximum penalty being £400 and/or three months Imprisonment.

Customs and Excise also have an interest, as the importation is prohibited under The Statutory Instrument No. 61 1968 (The Radiotelephonic Transmitters (Control of Manufacture and Importation) Order 1968) They are also able to prosecute for the offence of keeping Goods on which duty has not been paid.

There are about 600 users of C.B. in the GLC area!

Of these users about 75% have the sets installed in their Vehicles. A number of the users are Truck drivers who not only get their sets on the Continent and bring them back undeclared through Customs, but also smuggle sets in to sell at a profit.

The users of CB seem to rely on the fact that, if stopped by Police, they say that the radios are for use as a minicab and hope that the Officer cannot tell the difference between a CB and a Mobile two-way radio. To help distinguish between the two, the following points may be of help.

1. Normal, legal two way radios (known as P.M.R.'s) are either single channel sets or have, at the most, 12 channels. CB sets, however, are either 23 or 40 channel sets. (The channel number being shown on a small lit up panel similar to pocket calculators)
2. On the whole, CB sets have more controls on them than normal P.M.R.'s (e.g. Controls marked 'R.F. Gain', 'Clarifier', 'AM/USB/LSB' etc.)
3. Makers of the sets, which are common in use are, Royce, Sparkomatic, President, Midland, S.B.E., Air Command, Hy-Gain, Astroline, Audiovox, Realistic, Pony, Sunset, Sommerkamp.

With the exception of "Sommerkamp", the above makes are only found on CB equipment in this

country. "Sommerkamp", however, make items for use by Radio Amateurs (Hams) which are legal.

The aerials used with these sets vary, but a typical CB aerial will be about 4' long, and is normally a cross between a minicab aerial and a Police Force Aerial and they nearly always have a large base that fits to the vehicle by a clamp or a magnetic base, but bear in mind the more insignificant the aerial appears, the less likely they are to get a tug. Further pointers to look for in respect of CB aerials, is that half way down the aerial length may be a large bulge approx 2-4" in length, these are called "linears" and their purpose is to improve the power of the set. (In CB slang these are called "Boots").

Due to the fact that CB users come in for attention from the Police, G.P.O. and C&E the sets are normally well hidden in the car, so a good look under the seats and Dashboard might yield results.

Recognising the sound of CB

Slang plays a large part in CB and a list of examples is shown below, some of the notable are:

20 (or approximate 20)	Location
Wall to wall	Lots of (viz. wall to wall bears, group of police, or road block)
Rig	Transceiver
The Big C	North Circular Road

Police have powers under SECTION 138 OF THE CUSTOMS AND EXCISE MANAGEMENT ACT 1979 to Detain goods/vehicles/persons suspected of carrying un-customed goods, pending the arrival of Customs Officers.

Customs and Excise contact is:-
"LONDON PORT INVESTIGATION UNIT"
(Phone number verified but withheld by C B R M)

Post Office Contact is:-
"LONDON TELECOMMUNICATIONS REGIONAL RADIO GROUP"
(Phone number verified but withheld by C B R M)

As far as can be verified by us this is a genuine circular by the Post Office to all GLC Police stations for general viewing by all police officers. This circular was issued some months ago and as can be seen by the estimated numbers of users in the GLC area, there has not been an update on this circular as far as we can ascertain. Our thanks to the unknown officer donating this material. ED

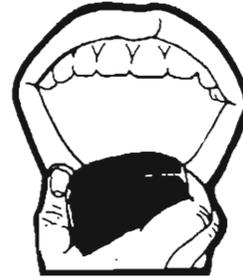
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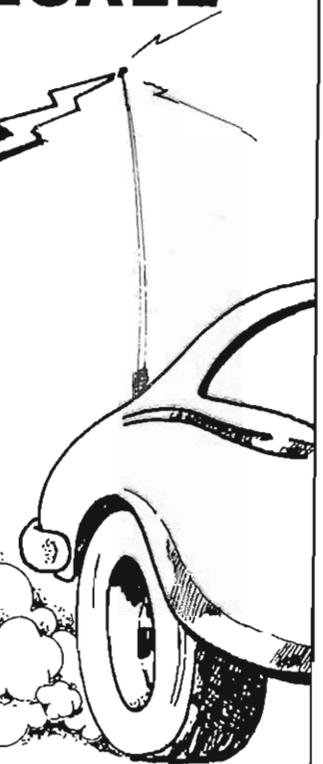
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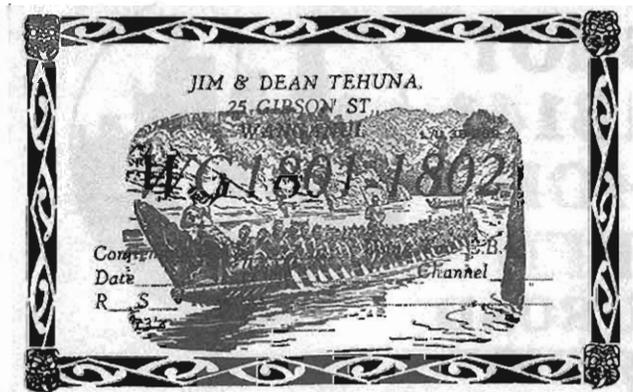
Well hi fellow QSLers,

First and foremost let me say a big thanks to all that came to the stand at the mass eyeball in Nottinghamshire, I had a great day myself, and judging by peoples faces a good time was had by all. Following the eyeball I am pleased to say we received a good number of really fantastic QSL cards. I was pleased to see that they have spent a great deal of time and in fact money, all credit to them, their cards were great, these are just some of the cards from the UK to be looking for, *The Medicman (Surrey)*, *Buckshot (Norwich)*, *The Duke (Surrey)*, *Pinball Wizard (Scotland)*, *Concord (Wales)*. I am sure there are many more, send yours in.

Here at The English International DX Club we have been asked a question "Why the ENGLISH Club and not the U.K. International DX Club?". Well the answer is as follows, most European countries only know this country as England, the same thing happens with the States, you see when you address an envelope to this country from abroad, they always put England, I rest my case.



Bert Turner, President of the N.Z. QSL Swap Club.



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TURNER**
President

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Right, lets get down to business. This month it's the **NEW ZEALAND & WORLD WIDE QSL SWAP CLUB**. The President is Bert Turner. Bert is a retired gent who finds time on his hands, enjoys meeting and making friends around the world, and is very dedicated to helping the blind, Bert has just informed me he is setting up within his club a cassette club for the blind, which I think is a fantastic idea. We are at this moment in time, working with Bert to set this up world wide, I must point out that this can work not only for the blind and house bound but for all of us lucky people.

Well Bert now lives in St. Lukes, AUCKLAND, New Zealand, where he has lived for the past thirty years, Berts country of origin is Australia. His Club is one of the biggest in New Zealand and Australia, the club package is really something. I must point out, you must remember that the fee to enrol with this club is not U.S. Dollars but New Zealand Dollars, you can however send the equivalent in our £ sterling, and if you wish for your package to be sent by air mail please send the extra cash to cover, as if your package comes by sea mail it can take up to three months or more from New Zealand or Australia. Well there we are, a first rate club from down under.

Please keep your letters flooding in, we do answer every one, but please be patient, as we get a little bogged down from time to time and please send post paid envelopes for all replies.

Best 73s & 51s QRT and on the side.

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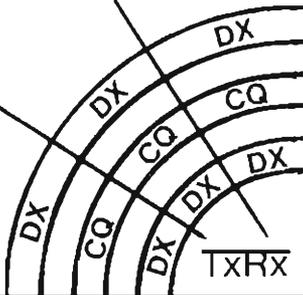


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