

CB RADIO

ISSUE No 7
JANUARY 81
60p MONTHLY



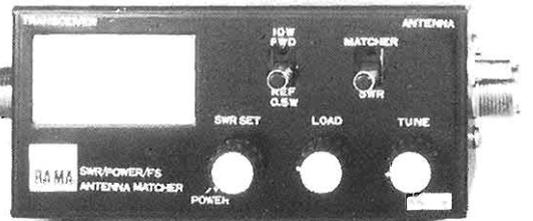
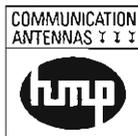
CHELSEA CRUISE ! CRUISE CHELSEA C.B. CENTRE

The British Breakers Mag.

CB RADIO ACCESSORIES

THE LARGEST DISTRIBUTORS OF CB ACCESSORIES IN THE U.K.

Come and see the biggest and best selection of CB Radio Accessories from all the leading manufacturers, including:



SWR METERS including RAMA, HANSEN etc.

AGENTS THROUGHOUT THE UK

- BLACKPOOL: ADS Electronics Limited, The Ladder Centre, 238, Dickson Road, Northshore, Blackpool
- BRADFORD: J.R. Brown, 33 South View Road, Bradford BD4 0274 685876
- BRIGHTON: 625, Aerials Limited, 44, Queens Park Rise, Brighton, 0273 664828.
- BRISTOL: Bristol CB Centre, 120, Beauford Road, St George, Bristol S.
- BURY: Lancs B&H Electronics, 183, The Rock, Bury, Lancs, 061 781 6144
- BURY ST EDMUNDS: Denver Autos (Skid Parish), Trosion, Bury St Edmunds, Suffolk, Honnington 506.
- CARLISLE: R & S Supplies, 29, Lamb Street, Lupton, Carlisle, Carlisle CB1 72.
- CHELMSFORD: Chelmer CBs, 1, Broomfield Road, Chelmsford, Essex, 0245
- CHELTHAM: Breakers Yard, 1, Moorland Terrace, Croft Street, Cheltenham, Glos, (0242) 139783.
- CORNWALL: Mis Cornwall CB Store, Trenans Road, St Austell 0726 5429.
- DEBRY: RFS 80, Osmeaton Road, Darcy, 0332 41235.
- EAST BARNET: Autospar, 27, 1, East Barnet Road, East Barnet, Herts. 01 449 6070.
- GRANTHAM: Castlegate TV, 64, Castlegate, Grantham, 0478 68888
- GREENFORD: Sound Around, 114, Ruislip Road, Greenford, Middlesex, 01 575 5030.
- GUILDFORD: Kendall Cars, 34 Aldershot Road, Guildford, GU2 6AF, 0483 73888.
- HALIFAX: Bruce Mitchell Limited, 83, Pelton Lane, Halifax, Yorkshire, 0422 65930.
- HARWICH: Mt. Able TV Eye, 300 High Street, Harwich, Harwich, 4480.
- HUNTINGTON: Mobile Telecom Systems, 5c The Pavement, Huntingdon, Cambs. 0450 67252.
- ISLE OF WIGHT: Electronic Pastimes, 29 North Road, Shanklin, Isle of Wight, (098386) 6103.
- LONDON: S&M CB Store, Unit 4 Denbury Street, Islington, London N1. 01 354 1305.
- LONDON: Mobile Stereo, 360 York Road, London SW16. 01 870 7382.
- LONDON (West End): Sonic Sound Audio, 248-258, Tottenham Court Road, London W1. 01 637 1908.
- LUTON: Knight Security, Luton, 0582 426722.
- NEWPORT: Breakerway CB Centre, 101, Alexandra Road, Newport, Gwent, Wales, 0833 213332.
- NORTHAMPTON: Motorsound, 196a, Kettering Road, Northampton.
- ORPINGTON: CB Shack, 18, Mount View Road, Orpington Kent, (86) 32411.
- OXFORD: Marston Auto Parts, Cherwell Drive, Marston, Oxford, 0865 61888.
- PARKSTONE, POOLE: Dee Bee Unlimited, Unit One, R/O 387, Ashley Road, Parkstone, Poole, Dorset, 0202 733133.
- PERTH: Glenalmond Rally Sport, 100, Main Street, Mathuar, Perth, 0738 84346.
- PETERBOROUGH: CB Radio Shack, 91, Midland Road, Peterborough, 07334 1007.
- ROMFORD: Delta Electronics, 97Z, Eastern Avenue, Newbury Park, Romford.
- ROYAL TUNBRIDGE WELLS: Charlie Bravo, 103, Camden Road, Royal Tunbridge Wells, 0692 34207.
- SCOTLAND: Greenock Motor Accessory Centre, 1, Ruggat Street, Greenock, Scotland, (0475) 26599.
- SHEFFIELD: Steel City Custom, 132, Pennstone Road North, Sheffield, (0742) 346324.
- SOUTHAMPTON: Anglessea Car Radio Limited, 23-27, Church Street, Shirley, Southampton, 0703 7790134.
- SURREY: Demaru Associations Limited, 1, Yattendon Road, Horley, Surrey, 02834 71404.
- WATFORD: Custom Plates, 697, St Albans Road, Garston, Watford, 09273 61673.
- WIGAN: Car Radio, 8, Darlington Street, East Wigan, Lancs, (0942) 43101.
- WORCESTER: DAD, 23, Blackfriars Square, Worcester, (0905) 21919.
- YORK: Breaker 13, 1, Goldilocks Lane, York, 0904 39818.

**SHOP OPEN
9.00 - 5.30**

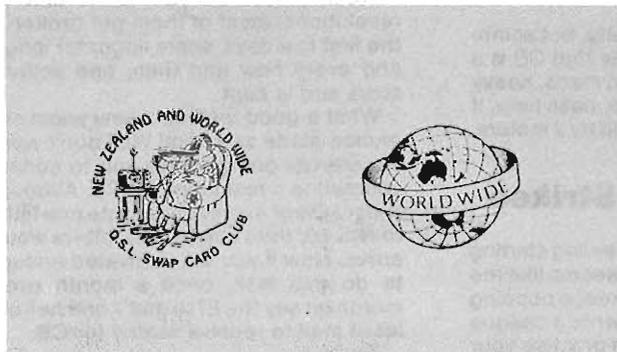
MURA ELECTRONICS (U.K.) LTD
79 Church Road, Hendon,
London NW4 Tel: 01 203 5277/8



CB RADIO



Hinkley Demo



DX QSL Club Spot.



Vultures on the Side.

Contents

| | |
|----------------------------------|----|
| Introduction | 2 |
| A Postal Demo | 3 |
| Hinkley's on the Map | 4 |
| News Review | 6 |
| Speech Processors | 8 |
| National Ten Four Day | 10 |
| Parliamentary Review | 12 |
| Antennas and Transmissions on CB | |
| Frequencies | 14 |
| One more country goes 27 | 20 |
| CB Insurance Scheme? | 26 |
| Vultures on the Side | 28 |
| The Forum of Private Business | 30 |
| Come Back the Breaker | 32 |
| Readers Write | 34 |
| The Law and You | 38 |
| DX QSL International Club Spot | 42 |

Advertisers Index

| | |
|--------------------------------|-------------------------|
| Atherstone CB & Truck Stop | 10 |
| Auriga | 11 |
| Dig Ears | 11 |
| Breaker 1-9 | 37 |
| Breakerway CB Centre | 35 |
| Dridalr Audio Promotions | 5 |
| CB City | 41 |
| CB Equipment Specialists | Centre Pages |
| CB Paradise | 21 |
| CB Radio Mag. Special Offer | 9 |
| CBers '20' | 21 |
| CB Shack | 43 |
| Chalmer CB Accessories | 37 |
| Chelsea CB Centre | 33 |
| Citizens Band Radio Centre | 17 |
| Comm IV | 40 |
| Custom Equip | Inside Rear Cover |
| Custom QSL Cards | 43 |
| Delta Electronics | 43 |
| Formulo One | Inside Rear Cover |
| Georgio Duldag | 25 |
| Globe Communications Ltd. | 40 |
| Kona Publications | Inside Rear Cover |
| Look In | 39 |
| Lyndon Radio & T.V. | 31 |
| Mid Cornwall CB Centre | 39 |
| Muro Electronics (UK) Ltd. | Inside Front Cover & 19 |
| O.C.T. | 29 |
| Phase 3 Leather Products | 39 |
| Rolling Stack | 31 |
| SGH CB Specialists | 39 |
| Ships CB Centre | 35 |
| Smithsons (Motor Factors) Ltd. | 13 |
| Smiths Tools | 11 |
| Sound Around | 43 |
| Spares 'n' Repairs | 21 |
| S.S.E. | 24 |
| Street Legal CB Shop | 41 |
| Supo Accessories | 35 |
| Sussex CB Ltd. | 25 |
| Ten Four Telecomm Ltd. | 40 |
| TOT Electronics | 25 |
| Tracy's Place | 20 |
| WinJoy | Rear Cover & 27 |
| ZL Communications | 24 |

CB Radio Magazine

British Breaker Productions
Tudor Works, Beaconsfield Road
Hayes Middlesex 01-561 5778

Director
Editor
Editors Secretary
Photos
Artwork
Typesetting
Distribution

J. O'Hara
The Englishman
Carole Robertson
Colin Downs
American Boy + The Main Man
Boozey Suzie (Hot Fingers)
Golddigger Promotions Ltd.

IMPORTANT

AS A MAGAZINE WE CANNOT CONDONE THE USE OF ILLEGAL 27MHz EQUIPMENT NOR IS THIS PUBLICATION INTENDED TO ENCOURAGE THE USE OF SUCH OR ANY OTHER ILLEGAL EQUIPMENT CAPABLE OF TRANSMITTING OR RECEIVING. WE DO NOT ACCEPT RESPONSIBILITY FOR ANYTHING PUBLISHED WITHIN OUR PAGES NOR ANY DAMAGE HOWEVER CAUSED. IRRESPONSIBLE AREN'T WE!
©COPYRIGHT CB RADIO 1981. ALL RIGHTS RESERVED. REPRODUCTION IN WHOLE OR PART IS FORBIDDEN SAVE WITH THE EXPRESS PERMISSION IN WRITING OF THE PUBLISHERS.

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!

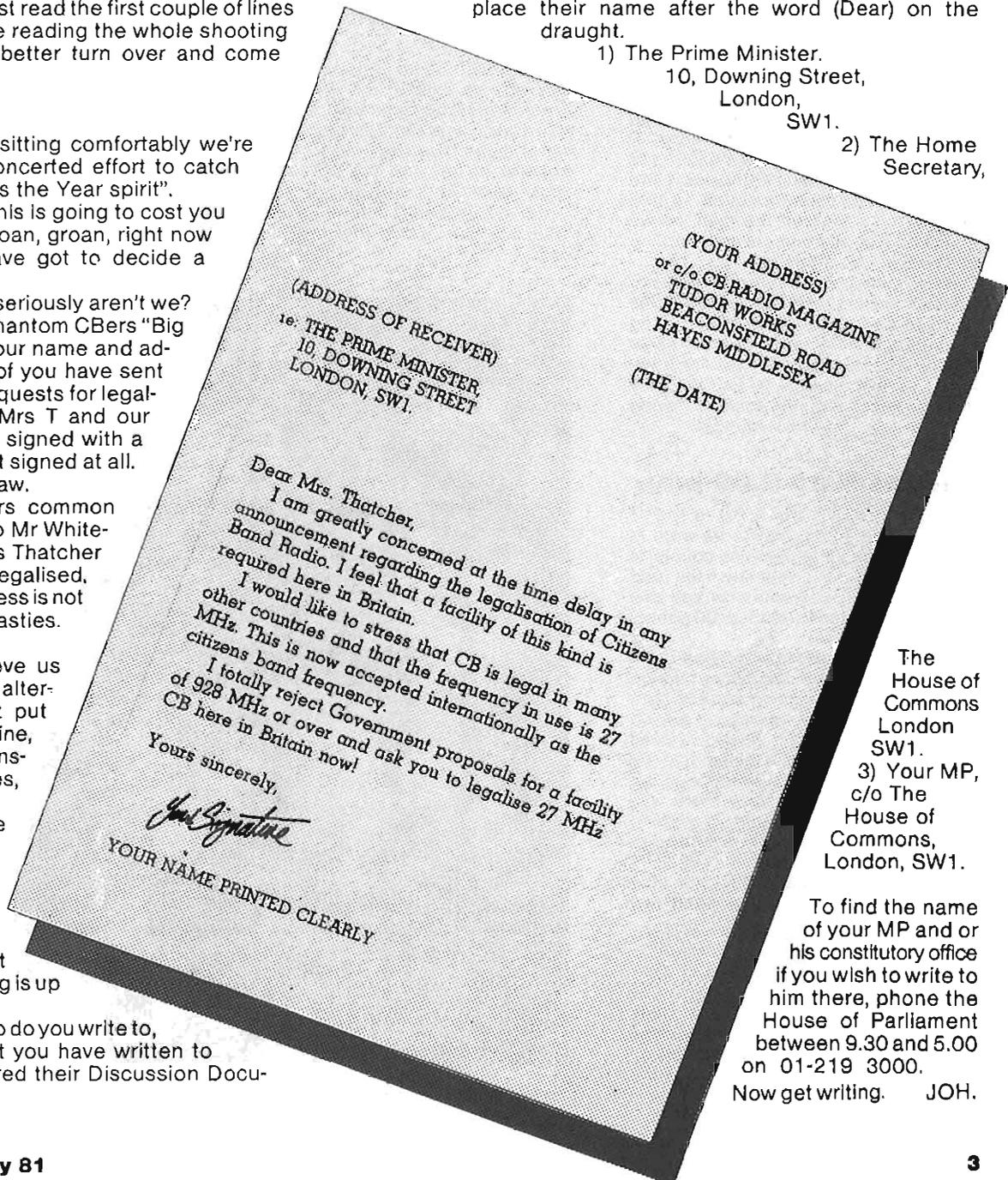
If you don't believe us and don't have an alternative address just put c/o CB Radio Magazine, Tudor Works, Beaconsfield Road, Hayes, Middlesex.

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
(THE DATE)

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

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,
[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.

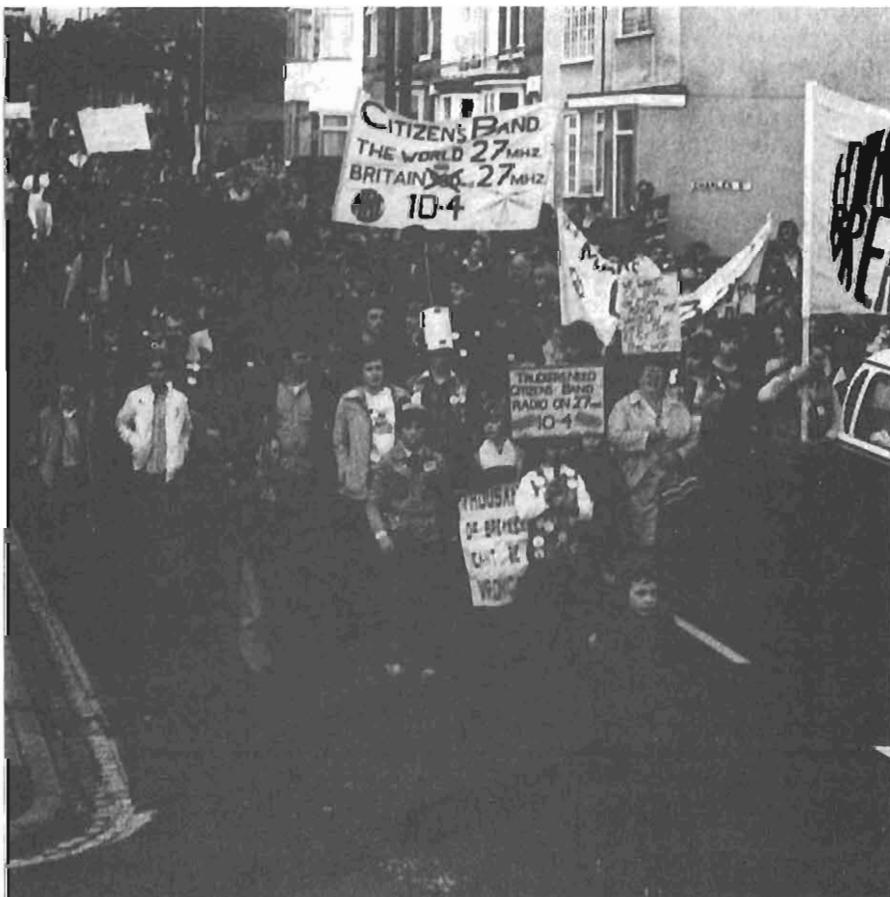
The police hadn't intended to arrive until 3.0'clock with a move off time of 3.30.

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**



WE HAVE HELD OVER COVERAGE
OF BIRMINGHAM & LONDON CON-
VOY TILL NEXT MONTH - BOTH HAD
A GOOD TURNOUT.

"TEACH YOURSELF C.B." (A BRITISH GUIDE TO C.B. LANGUAGE)



Don't be a RUBBER-BANDER! Discover the difference between a 'BEAVER' and 'SMOKEY BEAR' or a 'GRANNY' and a 'FRONT DOOR'.

Learn the colourful, crazy language of C.B. now
... with this educational and entertaining cassette tape ...

Learn also the more serious aspect of C.B. Radio. For example ... how to deal with an emergency situation.

In fact ... everything you need to know, from 'CHOOSING A HANDLE' and 'BREAKING A CHANNEL' to 'GOING DOWN AND ON THE SIDE'.

**Be an 'ACE' in time for legalisation
THEN
join a convoy with confidence!**

GOT YOUR EARS ON?
DO YOU COPY?

Special Introductory Price
£2.99 of
+ 25p p&p

DIRECT BY MAIL FROM
**BRIDAIR AUDIO PROMOTIONS
BASEMENT STUDIOS
158 NEW BRIDGE STREET
NEWCASTLE UPON TYNE
NE1 2TE.
Telephone: (0632) 22331**

ALSO INCLUDED IS A REFERENCE LIST
OF TRADITIONAL TEN CODE, PHONETIC
ALPHABET AND GLOSSARY OF THE
MORE POPULAR PHRASES.

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

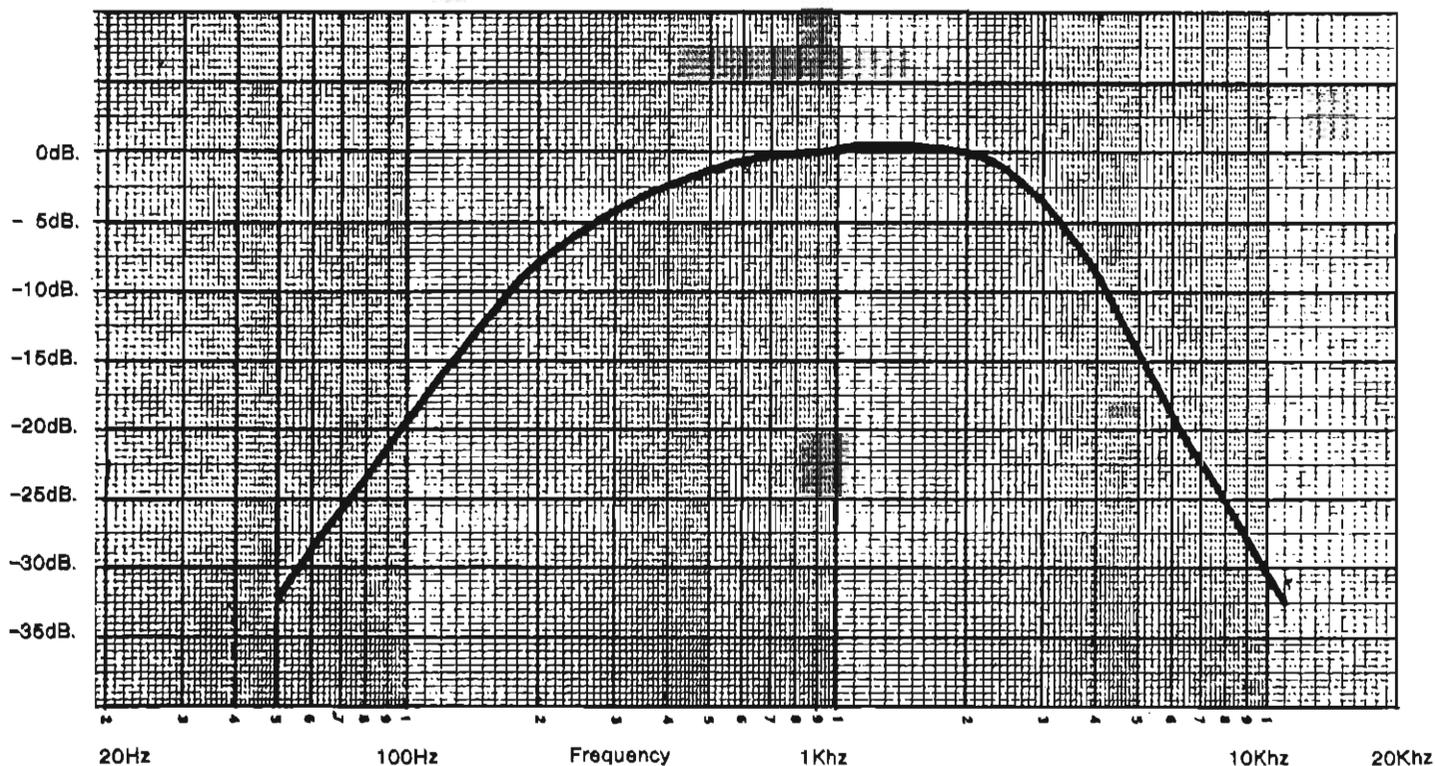
For very good speech quality only the audio range of 300Hz to 3000Hz need be transmitted. Fig. 3 shows a block diagram of a typical processor and it will be noticed that the audio frequency response is tailored in the following manner. The low frequencies are removed BEFORE the limiter stage and the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



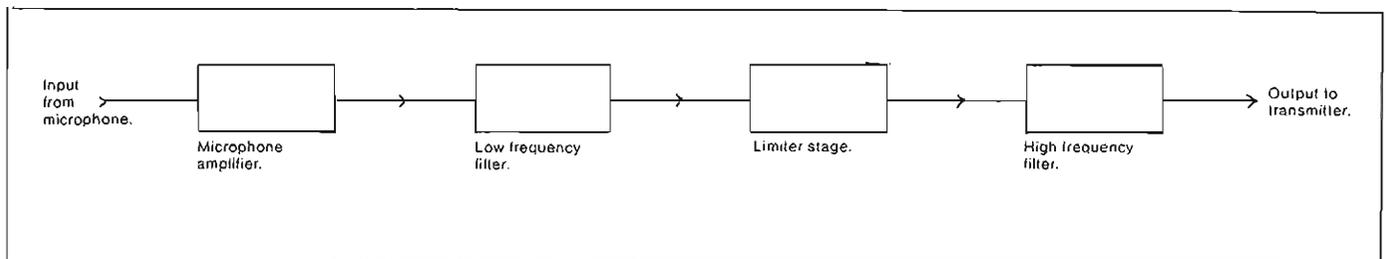
per octave above 3000 Hz. At 10 kHz the response is 30dB down and in terms of transmitter power output this represents only around 0.01 watts from a typical 10 watt transmitter, hardly likely to cause any interference. In practice, the better transmitters will already have some filtering built in and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



CB Radio Mag. SPECIAL OFFER

THE CB SONG

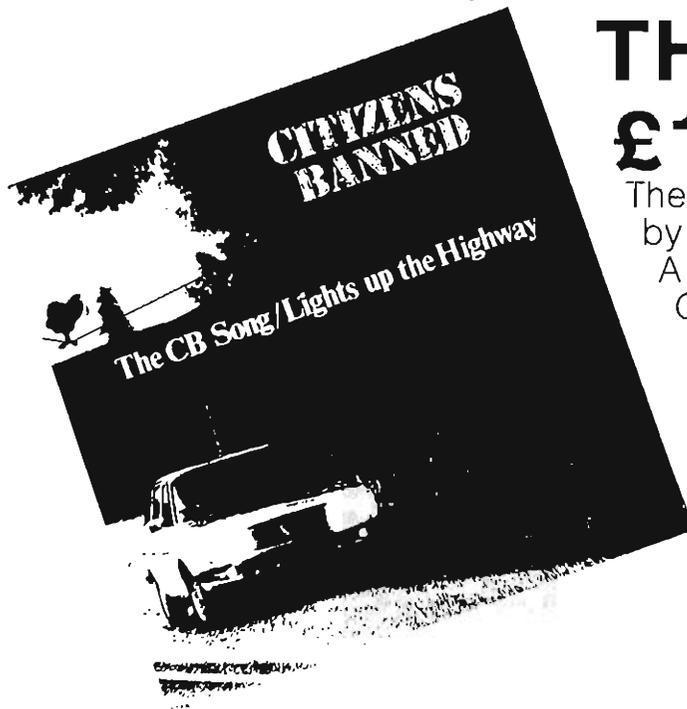
£1.20 inc. P.+P.

The CB Record that has been banned by the BBC and the IBA?

A Record produced by CBers for CBers. Intended to support the cause. See Issues 3 & 6 CBRM.

CITIZENS BANNED

T-SHIRTS £2.25 inc. P.+P.



FULL LENGTH 100% COTTON
PRINTED WHITE ON BLACK

TRADE & CLUB PRICE ON QUANTITIES OVER 10 - 90p each

National Ten Four Day

CB Radio Magazine is arranging "The 1981 CB Show".

Every subject you care to think of, from dogs to horses has its show or to use a cliché, "every dog has its day".

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!

The Exhibition, Show or Eyeball, requires your enthusiastic support. No we're not going to ask you to arrange it all for us. But we are going to give you an incentive to come from far afield.

- ★ Clubs can get a group discount of up to 90% off the admission fee.
- ★ There will be a prize for the CBER who comes from furthest away (a side band rig)
- ★ There will be a Beauty Contest, "Miss CB 1981"
- ★ A free CB sticker with admission
- ★ And a free drink, alcoholic of course.

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.

* subject to availability.

For Information

If you want to know more or wish to apply for your club discounts phone or write to:

**CB Radio Magazine Ltd.
British Breaker Productions
Tudor Works
Hayes, Middlesex.
01-561 5778.**



CB & Truck Stop
for your CB accessories
phone Atherstone (082 77) 5998



TWEETY BIRD

ELECTRONIC FUN TONES FOR YOUR CB/PA SYSTEMS, CAN BE WIRED TO ANY MICROPHONE.

WIRING INSTRUCTIONS ARE INCLUDED FOR THE POPULAR MICS IN USE TODAY.

| | | |
|------|--|--------|
| TB1 | TWEETY BIRD | £14.95 |
| SB2 | SPACE BIRD | £14.95 |
| H3 | DIESEL HORN | £14.95 |
| SB3 | WAIL SIREN | £14.95 |
| BK60 | SOUND ORGAN WITH 3 TUNES TB1, H3 & SB3 | £24.95 |
| BK70 | SOUND ORGAN WITH 3 TUNES SB2, SB3 & TB1 | £24.95 |

ALL PRICES INC. VAT, P & P
ORDER BY MAIL ORDER OR CALL AT:-



TEL: 01-449 5070
271 EAST BARNET ROAD
EAST BARNET
HERTFORDSHIRE EN4 8SX
TELEX: 922488 REF: 127



GOOD CONJURATION

STARTS AT SMITHS...

Visit us for a large selection of C-B accessories!

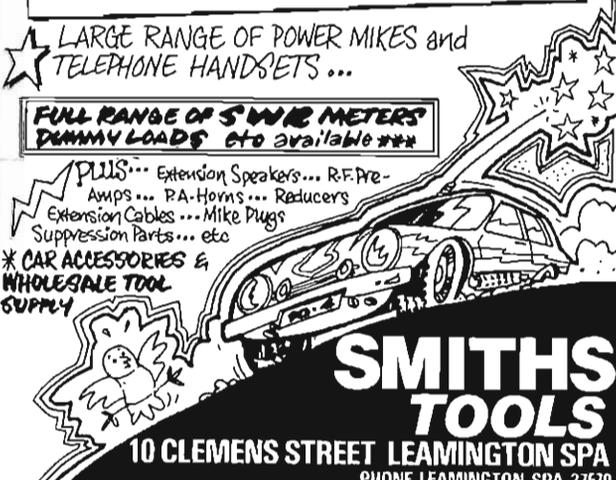
ANTENNAS M264 Disguise - Harada Electric Disguise - DV 27 - DX275/8 - Mag Mounts - Trucker Twins - Whiskys ... and many others!

LARGE RANGE OF POWER MIKES and TELEPHONE HANDSETS ...

FULL RANGE OF SWR METERS DUMMY LOADS etc available ***

PLUS... Extension Speakers... R.F. Pre-Amps... P.A. Horns... Reducers Extension Cables... Mike Plugs Suppression Parts... etc

* CAR ACCESSORIES & WHOLESALE TOOL SUPPLY



SMITHS TOOLS

10 CLEMENS STREET LEAMINGTON SPA
PHONE LEAMINGTON SPA 27570

BIG EARS CB EQUIPMENT

IN LEICESTER

LARGEST SELECTION OF CB ACCESSORIES
IN THE MIDLANDS

PERSONAL CALLERS WELCOME BUT COME CLEAN

FREE ADVICE TO ANY
BREAKERS WITH
TECHNICAL PROBLEMS

CATALOGUE OF MAIL
ORDER PRICES ON
APPLICATION WITH 50p

BIG EARS LIMITED
68 NARBOROUGH ROAD
LEICESTER 0533 546031

5 MINUTES FROM JUNCTION 21 M1 & M69 MOTORWAY

• HAVE A NICE DAY • DRAGONFLY •



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.

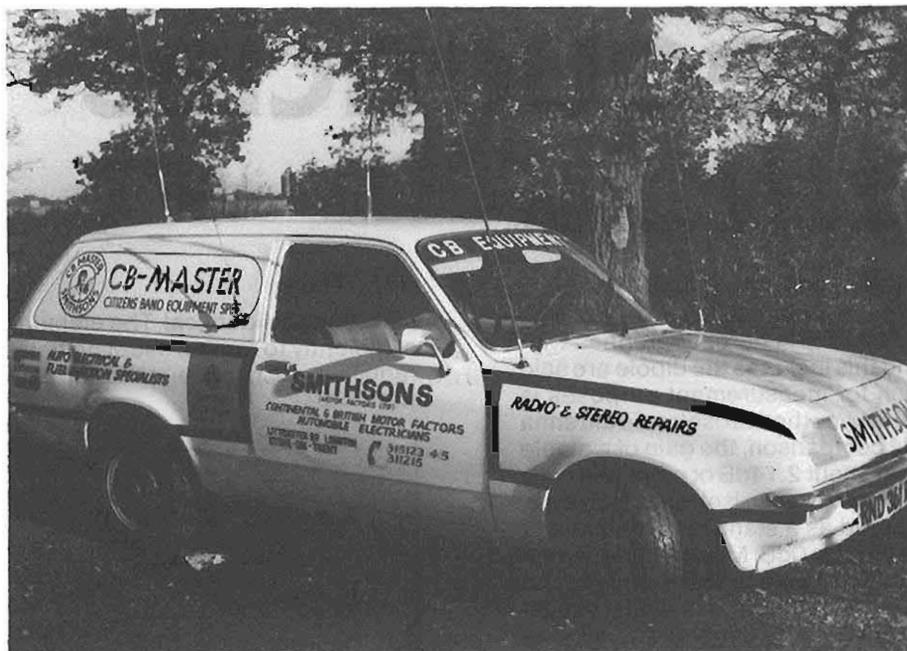
STOP PRESS

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.



CB-MASTER

CITIZENS BAND EQUIPMENT SPECIALISTS



THE NORTH & MIDLANDS MAIN DISTRIBUTOR
CB RADIO ACCESSORIES HUNDREDS OF
BASE & MOBILE ANTENNAS, BURNERS, SWR, PRE-AMPS,
POWER SUPPLIES, SPLITTERS, T.V.I., P.A.'s, ETC. ETC. ETC.

Shakespeare



TELEX

K40™

IMPORT-EXPORT WHOLESALE & RETAIL DIST.
ESTABLISHED OVER 40 YEARS, FRIENDLY SERVICE AND FREE ADVICE.
SEND 70p inc. P&P FOR COMPLETE ILLUSTRATED CB MASTER CATALOGUE

CONTINENTAL, JAPANESE & BRITISH MOTOR FACTORS
AUTO-ELECTRICAL & FUEL INJECTION SPECIALISTS

SMITHSONS (MOTOR FACTORS) LTD. 

UTTOXETER ROAD LONGTON STOKE-ON-TRENT Tel: (0782) 315123/4/5 & 311215

CB MASTER DEPT. Ex 19

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.

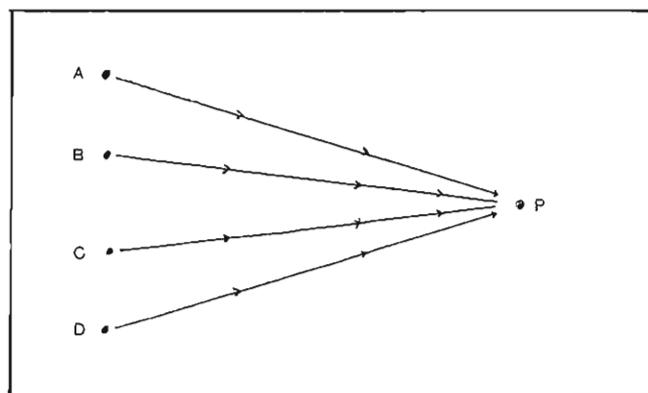


Fig. 1: Radiation from an array of dipoles to a point source (P) See text.

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.

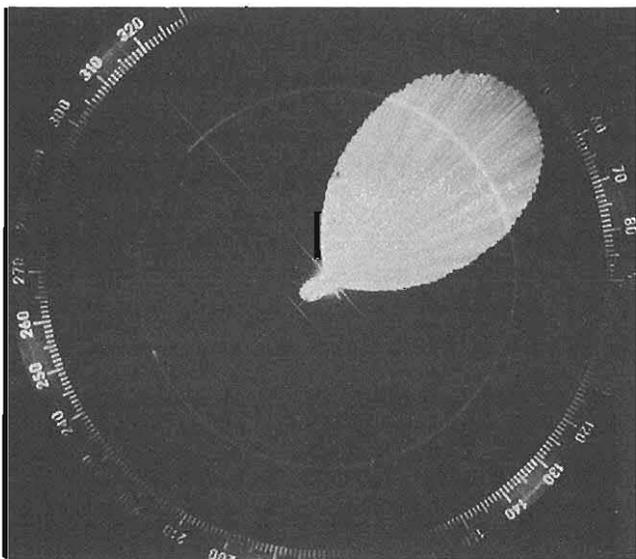


Fig. 2: Horizontal radiation pattern of a typical Yagi type beam antenna.

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.

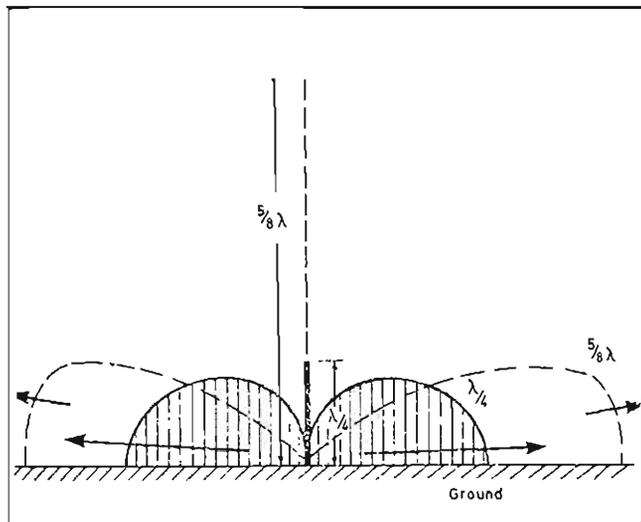


Fig. 3: Theory of the grounded vertical antenna. A 5/8 antenna operating above a perfectly conducting infinite ground plane has a gain of 3dB over a dipole or about 4.5dB over a vertical 1/4 antenna.

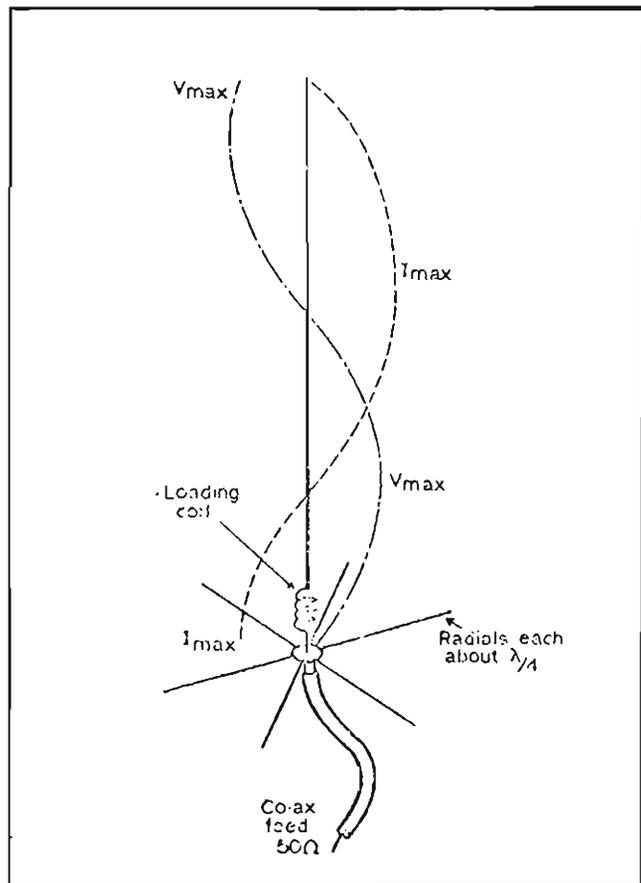


Fig. 4: Electrical configuration of the 5/8 ground plane antenna.

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.

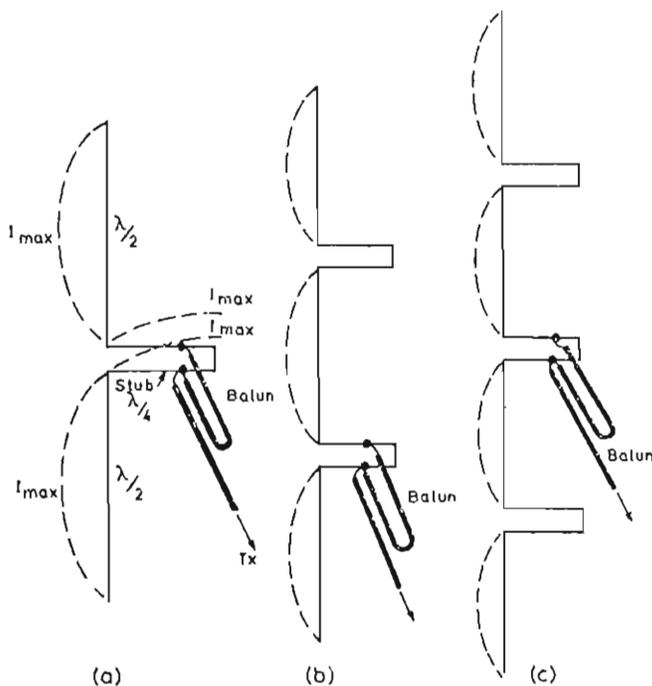


Fig. 5: Electrical configuration of colinear dipole arrays (A) a two element (B) a three element and (C) a four element.

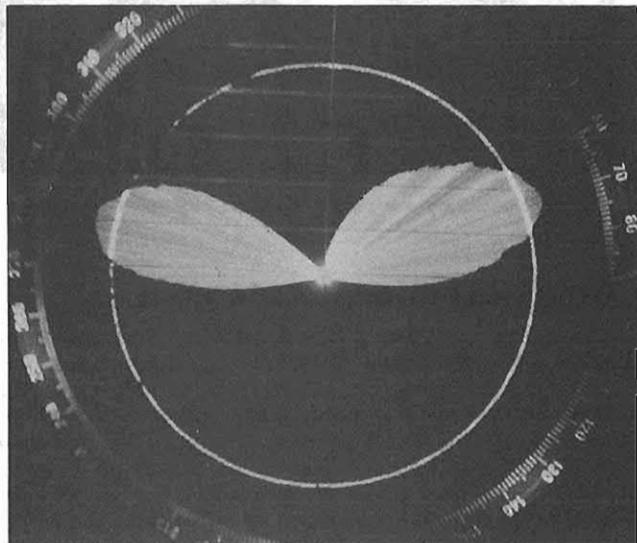


Fig. 6: Vertical angle radiation from a 2 element colinear antenna with gain over a dipole at approximately 2dB. The 'ring' indicates the horizontally omni-directional field. The thin vertical line at right angles to the pattern represents the position of the antenna.

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.

**CB
RADIO**

ISSUE 8 FEBRUARY 81
PUBLISHED LAST WEEK
IN JANUARY

**LOOK FOR US AT ALL
W.H. SMITHS
JOHN MENZIES
AND OTHER GOOD
NEWSAGENTS**

Britain's foremost CB specialists

OFFER YOU AN EXTENSIVE
RANGE OF CB ACCESSORIES
IN STOCK — ALL LEADING MAKES
INCLUDING:

avanti[®] antennas



HIGH PERFORMANCE BASE STATIONS

ASTRO PLANE AV-101 — Co-inductive, 5/8 wave omni-directional CB base antenna. Extends communications range beyond that of conventional bottom radiating omni antennas. Gain — 4.46 dBi; VSWR — Pre-Tuned To 1.3:1 Or Less; RF Safety Factor — 2000 w; Height — 12ft.; Weight — 4 lbs. **£44.95**

PDL 11 AV-122 — Dual polarity beam with orbital penna match for increased gain and rejection and improved band width. Patented co-inductive power. Patented PDL 11 actually contains 10 elements — 5 on each polarity. Forward Gain — 12 dBi; Rejection — 32 dB; VSWR — 1.3:1; RF Safety Factor — 2000 w; Boom Length — 4 ft. 10 in.; Weight — 13.5 lbs; Wind Load — 2.0 sq. ft. **£128.95**

MOONRAKER 4AV-140 — Unleashes co-inductive power like no other antenna. Famous for rejection of unwanted noise and interference. Super strong construction of cast aluminium hubs, extruded aluminium mounting bracket, stainless steel tip elements and aircraft quality tubing allow the Moonraker 4 to survive wind and weather when other large antennas fail. Strong, long distance performance with dual polarity. Switch box optional. Forward Gain — 14.5 dBi; Rejection — 38 dB; VSWR — 1.3:1; R.F. Safety Factor — 2000 w; Boom Length — 16.5 ft.; Weight — 24 lbs.; Wind Load — 5 sq. ft. **£168.95**

6AV-146 — The ultimate beam! 50X more power! 6 dual elements with a PDL reflector. 31.5 ft. boom! AVANTI's ultimate expression of performance in CB antennas. Four position switch box included. Forward Gain — 17 dBi; Rejection — 44 dB; VSWR — 1.3:1; RF Safety Factor — 2000 w; Boom Length — 31.5 ft.; Weight — 39 lbs.; Wind Load — 9 sq. ft. **£284.95**

SIGMA 1V AV-174 — Unmatched performance and unequalled strength! Unique co-inductive design on this new 3/4 wave omni-directional antenna enables you to transmit and receive further than ever thought possible. Produces higher (6 dBi) gain over an isotropic source than any other non-directional CB antenna. Tunable to 1.1:1 SWR at resonance and 1.5:1 or less beyond band edges. Weight — 12 lbs. R.F. Safety Factor: 2000 w. Height — 27". Diameter — 30". **£68.95**

SATURN AV-190 — Now! Horizontal and vertical polarity in one 5/8 wave omni-directional dual polarity antenna. Reduces interference as much as 20 dB. Interaction of these horizontal dipoles gives a co-inductive "beam" effect in a full 360° pattern. Vertical/horizontal switchbox included. Gain — 5.14 dBi Vertical; Gain — 5.14 dBi Horizontal; R.F. Safety Factor — 2000 w; Height — 21.5 ft.; Radials — 9 ft.; Weight — 26 lbs.; Co-Inductive. **£134.95**

LONG RANGE MOBILE ANTENNAS

AV-200 ASTRO FANTOM — Goes where no CB Antenna has gone before. Now from the AVANTI Research laboratories comes a sleek, 22" full 1/2 wave antenna, so unique that it mounts on glass, transmits through glass and receives through glass... yet requires no grounding to metal as do conventional 1/4 wave antenna. No holes to drill, no clamps, clips or magnets to even mark or scratch your car's finish! No pinched cables to run in through doors, windows or boot. No more leaks. The Astro-Fantom is a handsome, low profile antenna that provides the ultimate in convenience! **£22.50**

AV.241 RACER 27 — Base Loaded Mobile Antenna Weather-proof Avanti coil with solid copper windings hermetically sealed in A.B.S., chrome brass hardware, 17-7 PH spring tempered stainless steel whip, and shock spring with braided inner conductor combined for the durable mobile antenna on the market today. 4TL of power for CB. **£24.95**

AV.261 MOBILE MOONRAKER

Want base station performance from your mobile? Mobile Moonraker is guaranteed to outperform any other mobile CB antenna or your money back. Weatherproof Avanti coil with heavy copper windings and a 6" 17-7 pH Stainless Steel whip for a 1000 w R.F. Safety Factor. **£44.95**

AV.261 MOBILE MOONRAKER

with giant moon magnet. Guaranteed Moonraker performance plus giant multi-pole magnet actually improves coupling for the lowest S.W.R. **£49.75**

THE SKINNY STICK AV.242

Now! High performance whip can be bent 360° for super flexibility. Smaller diameter combines with higher strength (fibreglass) to resist impact better. No wire tips to snag or bend — no windings to cut or unravel. Full band allows for precision tuning and is re-tunable. Top loaded design for added punch — better reception. Fits standard 3/8-24 thread mounts. No tools required to tighten pins. Power capacity — 150 w (250 co-phased). Tunable to 1.5:1 or less S.W.R. **£13.95**

All above retail prices are inclusive of VAT & subject to availability and correct at time of going to press.

FREE! AVANTI AV.81 HI PASS TVI FILTER

WORTH **£9.95** when you purchase any AVANTI equipment of £50 or over. (This offer is only valid to the first 100 customers producing this advertisement).

We Welcome Trade Enquiries.
Trade Counter Open: 9.30 a.m. — 7.00 p.m. Mon.-Sat.

For Enquiries please send 6" x 9" size
It is at present an offence under the Wireless Telegraphy Act 1949 to 1987 to manufacture and/or use Citizens Band radio transmitters and such equipment is not licenable for use in the U.K.

SOLE AGENTS FOR
avanti antennas

CITIZENS' BAND
Radio Centre Ltd.

337 Kenton Road, Harrow, Middlesex. Tel: 01-907 1106/7.

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.

"Go fast, Go free, but go safe"

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

ATTENTION ALL CLUB MEMBERS:
Due to popular request we will be printing an A-Z of known clubs. Make sure your club is included. Write or phone us now with your club name, meet, night and address.

CB RADIO ACCESSORIES

The Largest distributors of CB accessories in the UK.

SHOP
NOW
OPEN

Come and see the biggest and best selection of CB radio accessories including:-



SWR METERS
including HANSEN

MICROPHONES by
TURNER ·K40
G.G.ELECTRONICS

SUPPRESSION EQUIPMENT
PLUS MUCH MUCH MORE

ANTENNAS
by
HY-GAIN
SIRTEL
&
HMP



Mura
Mura Electronics (UK) Ltd.,
79 Church Road, Hendon, London NW4
Tel: 01 203 527718



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

T-SHIRT & SWEATSHIRT PRINTING

ALL YOU GOOD BUDDIES HAVE YOUR OWN CLUB NUMBER AND HANDLE PRINTED ON QUALITY T-SHIRTS AND SWEATSHIRTS.

SWEATSHIRTS

| | |
|------------------------|-------|
| S. M. L. | £4.50 |
| X. L. | £4.95 |
| CHILDS 26" - 32" | £3.50 |

T-SHIRTS

| | |
|------------------------|-------|
| S. M. L. | £1.95 |
| X. L. | £2.45 |
| CHILDS 24" - 30" | £1.45 |

COLOURS: - BLACK, WHITE, RED, PALE BLUE, OR NAVY.

LETTERS + NUMBERS: BLACK OR WHITE.
FLOCK 10p EACH.

POST + PACKING 50p EACH GARMENT

TRACY'S PLACE, 118 HIGH ST., STAINES, MIDDX. TEL. STAINES 55834

SPARES 'N' REPAIRS

Suppliers of Quality CB Antennas
and Accessories

**79 FAR GOSFORD STREET,
COVENTRY . OPEN 7 DAYS
A WEEK**

TEL (0203) 29567

**SPECIAL OFFER TO READERS
OF CB RADIO**

*** DV 27 W/PLUG & CABLE *
£6.95 inc. VAT
WITH THIS MAGAZINE**



Britains newest C.B. Shop at:- 69, Out Northgate, Bury St. Edmunds. Phone 4054 and Denver Autos (Skid Parish) Troston, Nr. Bury St. Edmunds Edmunds. Phone 035 96 506.

Phone Bury St. Edmunds (035 96) 506

Main Agent for Mura Electronics Accessories.

Largest selection of C.B. accessories in East Anglia, over 30 different types of Antenna's base, mobile, K40, firestick, mag mounts, disguise, electric, trucker-twins, gutter-mounts, etc. Power mikes, speech processors, 13.8/mains power supply, S.W.R./power meters, antenna rotators, P.A. horns, Tweety birds, space birds, plugs, coax, books, magazines, hats, badges, stickers, splitter boxes, linear amps, 2 5W-1000W, T.V.I. filters, extension speakers, C.B. records, slide mounts, suppressors, monitors.

Transistors and spares, in fact almost everything for you C.Ber's.

Free Technical Advice Fast fitting and repair service
Any one interested in joining
a C.B. club 'phone for Skid.

Barclay Card, Access Card, American Express welcome, Mail Order, C.O.D.

Why not eyeball us from 8am - 8.30pm 7 days a week.

10-10 Good Buddies.

CBers "20"

**HIGH STREET SERVICE STATION, 314 HIGH STREET, ALDERSHOT
ALDERSHOT 23250**

CB ACCESSORIES

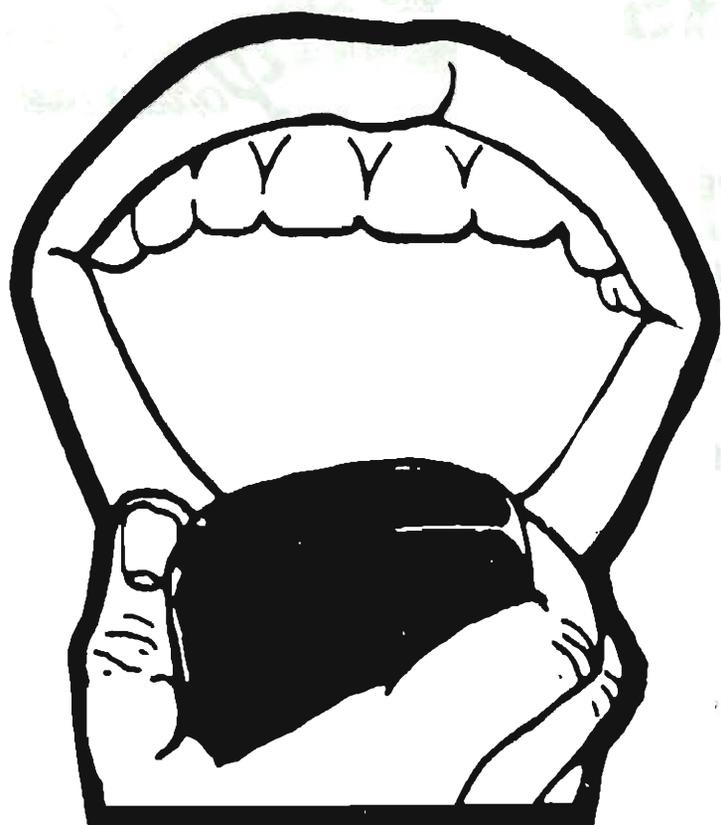
MANUAL
RETRACTABLE
SUPPRESSION
KIT
S.W.R. METERS
TWIN TRUCKER
POWER MIKES
DV 27
AND LOTS LOTS
MORE



CUSTOM ACCESSORIES

5 'O' HORNS
MUSICAL
TRUMPETS
CAL CUSTOM
TRIMBRIGHT
JACK UP KITS
TRACTION BARS
100+ CHROME
WHEELS FROM
£19.50 + VAT

COME AND SEE US - BUT COME CLEAN



CB Spe

SUPPLIERS

VISIT OUR
NEW SHOP

ANTENNAS

M264 Disguise. SA300 Disguise. Hy-Gain Electric Disguise. Harada Electric Disguise. Harada TU11 Disguise. HMP K27 Disguise. CV Test Secret Antenna. Intenna. DV27. DX27. DX27^{5/8}. T27; B27. DV27RN. DV27HN. Pal Firestik. Big Momma. Trucker Twins. Base Loaders. Mag Mounts. Starduster. Magnums. Power Pole. Hy-Gain Base. Dipoles. Many Others.

MICROPHONES

Turner + 2. Turner + 3. Turner ssk. Magic Mike. Mura PRX. JMR 40. Denzai. Hy-Gain 611. Telephone Handsets. Motorcycle Sets. Others.

**SPECIAL OFFER IF YOU BRING
THIS ADVERT WITH YOU. DV27
complete £5.75 inc vat**

10-21 Walton-on-T

Equipment Specialists

OF COMMUNICATIONS EQUIPMENT

**72-74 QUEENS ROAD
HERSHAM,
WALTON ON THAMES
SURREY**

**VISIT OUR
NEW SHOP**

TEST EQUIPMENT

SWR-25. SWR-15. Hansen 50B. Hansen 5E. CB1105. JD310. CBM-20. CBT-15. CBT-25. CBM-40. Others. Dummy Loads.

MISCELLANEOUS

PL259/6. PL259/9. Reducers. Females. Back to Backs. SO-209 - 3.5mm jack. Splices. Mike Plugs. RG58/U. RG8/U. Patch Cables. Extension Cables. Mike Cables. 25 Amp Power Supplies. 5 Amp Power Supplies. Suppression Kits. Suppression Parts. Extension Speakers. PA Horns. Others. Linear Amplifiers to 1000w, RF Pre-Amps etc.

IF WE HAVEN'T GOT IT - WE CAN GET IT.

Mail order expressed by Red Star, all goods returnable, if not satisfied
Phone your requirements, quoting your Access or Barclaycard number
for immediate dispatch. We will help with any problems by phone if at all
possible.



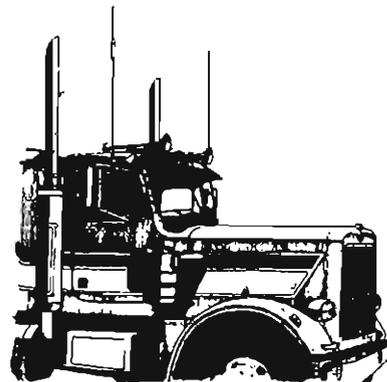
Send a SAE for our
New Comprehensive Catalogue



WALTON ON THAMES (09322) 47395



SSE



FOR ALL CB AND AMATEUR RADIO ACCESSORIES

PHONE:

DORKING (0306) 883314

**SURREY SUSSEX ELECTRONICS
27 MEADOWBROOK ROAD
DORKING SURREY**



CB RADIO • ACCESSORIES • BOOKS

NEW  **BRITISH MADE & DESIGNED**

THE LITTLE JIM - 2 metre omni (LJ2). An even slimmer version of the famous SLIM JIM. An entirely new design by F.C. Judd G2BCX, even more efficient than the original. Only 44 inches long, can be used for BASE STATION or MOBILE OPERATION. Imp: 50 ohms. Completely enclosed and waterproof. Gain 3dB (EIA). Fittings for mast mounting, mobile magnetic or gutter mounting available extra. **LJ2 price £16.00 including VAT postage & packing.**

THE BIG JIM - 27MHz omni - BJ27. An entirely new design - base station antenna for CB radio. Only 9 feet long - no radials. Gain 3dB (EIA). Low angle radiation for local or DX. Two-way 27MHz contacts between the UK and USA have produced S9 plus signals and 10-4 copy. Mast or wall mounting fittings extra. **BJ27 price £67.00 including VAT postage & packing.**

THE RED ALERT - VHF antenna checker and RF sensor (ZLS1). Will check any antenna for radiation, correct voltage and current distribution. Repeating audible bleep and visual indication in presence of radiation. Operates any frequency 20-1000MHz. Supplied complete with probe antenna. **ZLS1 price £12.00 including VAT postage & packing.**

THE PERSUADER - Speech processor (SP15). Increase your talk power by up to 32 times. Average effective speech power gain 15dB. Fully automatic in operation. Red and green indicators show correct operational setting. Operates for SSB, AM, or FM. Tailored response for greater readability and harmonic filtering. Suitable for all standard mics and rigs. **SP15 price £38.18 including VAT postage & packing.**

DUMMY LOAD - Self indicating (ZL50). Check TX power without radiating. Check co-axial cable runs and antenna match by comparison. Useable with all VSWR meters. Built in LED power indicator. Automatic sensing insures impedance of 50 ohms to within better than ± 0.5 ohms. Useable power up to 20 watts continuous or 100 watts intermittent. Self VSWR 1 to 1. Frequency limit 200MHz. **ZL50 price £9.00 including VAT postage & packing.**

SAE for further details of above only.

**GET A 10-4
ON THIS!
LEARN
HOW TO
OPERATE**



Unique and entertaining
CASSETTE TAPE.
Includes reference list 10-CODES
DOUBLE SIDE RECORDING
only £3.25

BOOKS

BIG-D GUIDE TO CB **£3.00**

Many other CB books - T-shirts - car stickers & badges.
Send 20p for catalogue & lists.

PRICES INCLUDE VAT P. & P.

TERMS - strictly cash with order. Cheques, PO's etc.
payable to **ZL COMMUNICATIONS.**

ZL COMMUNICATIONS
CANTLEY, NR. NORWICH **Tel: 049 370 821**
NORFOLK, NR13 3RT **Mon-Fri 9am-5pm**

SUSSEX C.B. LTD

ONE OF THE LARGEST RETAIL OUTLETS FOR THE SURREY AND SUSSEX AREA.

WE PRIDE OURSELVES ON HAVING ONE OF THE MOST COMPREHENSIVE C.B. ACCESSORY STOCKS THAT YOU WOULD FIND.

WE ALSO HAVE A QUALIFIED ELECTRONICS ENGINEER TO ANSWER ALL YOUR QUESTIONS AND DEAL WITH ANY TECHNICAL PROBLEMS FREE OF CHARGE.

DISCOUNT PRICES + MAIL ORDER SERVICE

ESSO SERVICE STATION

LONDON A23 RD

BOLNEY, SUSSEX

TEL: BOLNEY 255

INCREASE YOUR 'TALK POWER'

THE **PER SUADER**
SPEECH PROCESSOR

INCREASE YOUR 'TALK POWER' WITH THE T & T ELECTRONICS 'PERSUADER'.

By removing power wasting peaks from the speech waveform and unwanted frequencies the average 'talk power' can be increased by up to THIRTY TWO times. i.e. a ten watt transmitter using the 'PERSUADER' will provide average 'talk power' equal to a 320 Watt transmitter with normal modulation.

SIMPLE TO USE. simply connect between your microphone and transmitter and switch into circuit when the going gets tough. When switched off the microphone connects direct to the transmitter. **FULLY AUTOMATIC** in operation, only one control to set the level which is indicated by two light emitting diodes.

SUITABLE FOR ALL STANDARD RIGS AND MICROPHONES IN CURRENT USE.

Fully filtered to provide maximum 'talk power' in the speech band of 300 to 3000Hz.

Send 12p stamp for full details, or better still send your cheque for the best value in 'talk power' around.

Size: H65 x W90 x D160mm

Price: £38.18

Order with complete confidence (C.W.O. only please) from:

T.&T. ELECTRONICS

Green Hayes, Surlingham Lane, Rockland St. Mary, Norwich, NR14 7HH. Telephone 05088 632

PRICE INCLUSIVE OF V.A.T. & CARRIAGE
Callers by appointment only

ALL PRICES INCLUDE VAT & P&P

CB & TRUCK STOP

GEORGIA BULLDOG

ENGLANDS LARGEST SUPPLIER OF CB PATCHES & BADGES

New CB Patches 3 for £1.20
Fully Washable Material ~ A Must For Any CBer

Also Leicester • Oxford • Bristol • North Wales • Leeds
Worcester • Northampton • Cambridge • Nottingham
Birmingham • Liverpool • Manchester • Yorkshire
Scotland • Gloucester • Warwickshire • Humberside
Kettering • Sheffield • Cheltenham • Steel City • S. Wales

Also Heart of England CB - I'm a CB Operator

We Monitor Channel 19 • We Monitor Channel 15

CBers Do It Best • Super CB Operator • Keep on

Monitoring • Lady CBers Have More Fun • Keep

the Lipstick off your Dipstick • British CB •

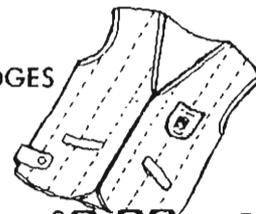
Junior CB Operator • I Push Big Wheels • Legalise CB • Dont

Feed the Bears • World Greatest CBer



Body Warmer
With Original American
CB State Emblem

STATE SIZE 26" 28" 30" CHILDS
XS S M L ADULTS



£3.99 no VAT
£5.60



T-Shirts
With Superb American Transfer

Choice of 5 designs:

Rollin' Thunder (Illustrated) • Mean 18 •
Gear Jammer • High Gear Hauler •
King of the Road

STATE SIZE 34/36" 38/40"

BLACK or POWDER YELLOW £2.60

STATE SIZE 30" 32"

ORANGE NAVY YELLOW £2.35

Have your handle/club name printed 10p per letter

CAP £3.50

Fully Washable CB and
Truckers Cap with patch
of your choice from above



ONE SIZE COLOURS: BLACK, NAVY or RED

Pin Badges 3 for £1.00

Choose from: Whats Your Handle? • I'm Pushing Big Wheels •
Whats Your 20? • Lady Breakers Have More Fun • Super CBer
I Monitor Channel 19 • My Dad/Mum is a CB Operator

ORIGINAL AMERICAN CB and STATE EMBLEMS

Professional Beaver Hunter • Bet Your Sweet Ass Im A CBer •
Drive Naked Give A Trucker A Thrill • Super Schmuck • US Dollar —
Large variety of states • Breaker Thats No Rubber Duck

3 for £1.20

HAVE YOUR BREAKER CLUB EMBLEM DESIGNED RING FOR FREE ESTIMATE TEL: LEICS (0533) 835782 WHOLESALE ENQUIRIES WELCOME

All cheques/P.O.'s payable to
Mrs H. L. Carter

GEORGIA BULLDOG CB & TRUCK STOP
56a Milligan Road, Leicester LE2 8FA

Allow 14 days delivery

CB Insurance Scheme?

Safety in numbers or numbers in safety.

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.

DEMAND THE "ORIGINAL"

SPECIAL QUOTES!
ON 27 TO 1000 MHZ
FIBERGLASS ANTENNAS
ANYWHERE IN THE WORLD!

'Firestik'[®] ANTENNAS

NOW IN SIX COLORS!

- SILVER-GRAY
- RED
- WHITE
- BLACK
- SPUN GOLD
- CLEAR

THE #1 HELICALLY WIRE WOUND AND MOST COPIED ANTENNA IN THE WORLD!

CB • 2 METER • MARINE TELE • LAND MOBILE TELE

- TRUE HIGH dB GAIN ANTENNAS
- LOW ANGLE OF RADIATION
- 5/8 and 3/4 WAVE MODELS
- LOW SWR PROVEN
- POWER RATED UP TO 1400 WATTS
- RUGGED SHATTER-PROOF FIBERGLASS
- FACTORY PRE-TUNED
- THE ULTIMATE PERFORMERS

SERVING THE CB AND COMMUNICATIONS MARKET WITH 27-1000 MHZ EQUIPMENT SINCE 1962
'FIRESTIK' ANTENNA COMPANY • 2614 EAST ADAMS • PHOENIX, ARIZONA 85034 U.S.A.

DISTRIBUTED IN THE
UNITED KINGDOM BY:

WINTJOY Ltd.

103 HIGH STREET
SHEPPERTON
MIDDLESEX
TW17 9BL

TEL WALTON ON
THAMES
(09322) 48145

Shakespeare[®]

Rebel 500

CB MOBILE ANTENNA SERIES

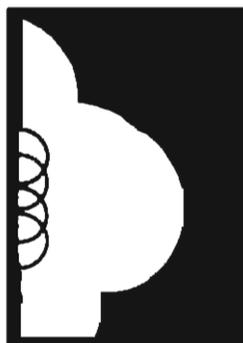
The Rebel 500 antennas..
they refuse to behave like
tame antennas!

5/8 POWER WAVE ANTENNA

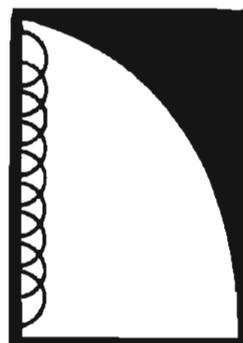
The Rebel 500 CB mobile antenna series is, electronically speaking, an engineered 5/8's wave conductor length in a constant mode helical winding. This produces a power wave with a current field similar to a full conductor length non-loaded antenna. Spaced winding keeps energy forces away from the metal ground plane, preventing field effect and flux lines from absorbing power. Voltage at the field point is at a minimum preventing loss of power through leakage and stray currents. The power goes where you need it...into the antenna (not into the vehicle body)!



Power wave of full length non-loaded antenna



Power wave of center loaded or lump wound antenna



Power wave of constant mode helical wound antenna ... the Rebel 500

- 5/8 wave performance
- Power rated at 500 watts
- Continuous loaded for continuing power
- Fits any standard 3/8" 24 thread mount
- Available in black, white, or bright orange
- 48" straight or 72" tapered whips

WINTJOY
Ltd.

103 HIGH STREET
SHEPPERTON
MIDDLESEX
TW17 9BL

TEL WALTON ON
THAMES
(09322) 48145

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"

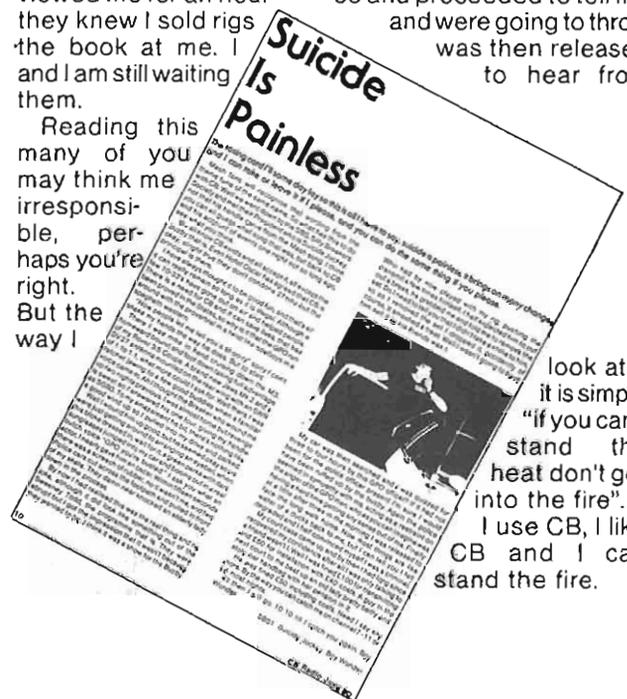
Of course I asked what for and on what grounds, and he pulled the old section 66 bit. "I have reason to believe that the CB Radio in your vehicle is stolen or unlawfully detained, can you produce a bill of sale for it?"

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



look at it it is simple "if you can't stand the heat don't get into the fire". I use CB, I like CB and I can stand the fire.

SBS Suicide Jockey

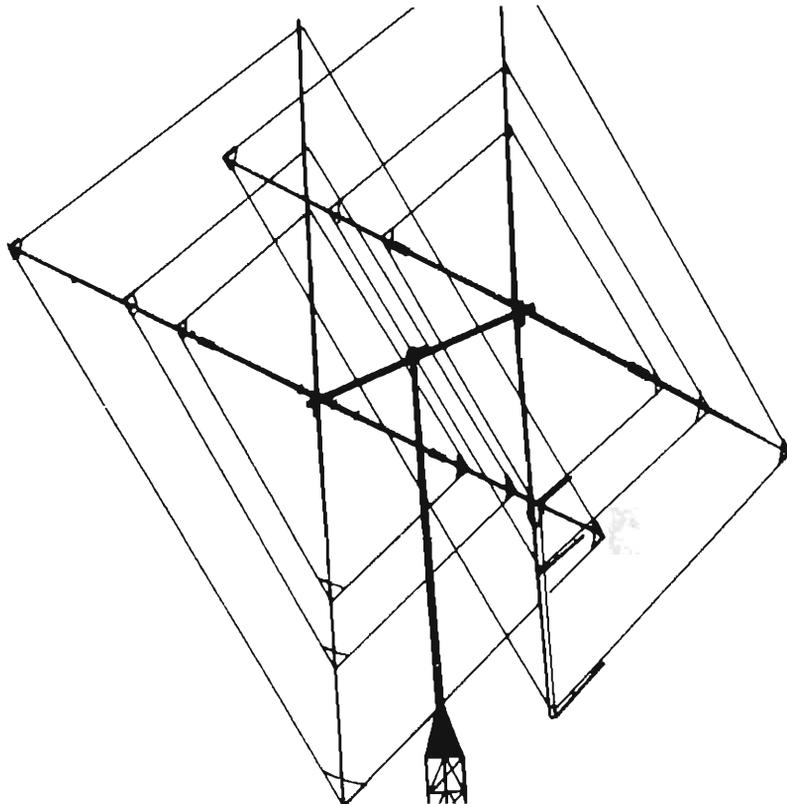
OCT ★ OCT

OPEN CHANNEL

TELECOMMUNICATION

**Specialists
in 27 Mhz**

01-801 5656



A WHOLESALE WAREHOUSE

OPEN 12-8.00 MON-FRI, 9-5.30 SAT, 10-2.00 SUN

407, LORDSHIP LANE, LONDON, N22.

WHOLESALE OF C.B. ACCESSORIES

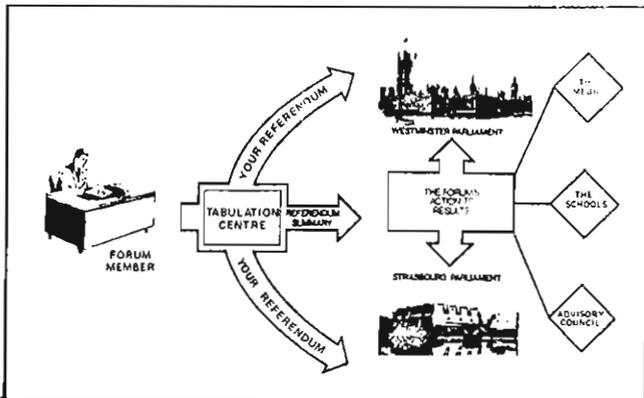
OCT ★ OCT

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.

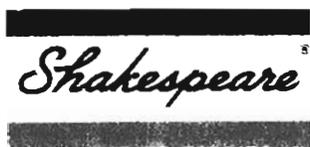


You can see the results of our own survey in the next issue "27 MHz outweighs the rest" on page 27, where else!
JOH

LYNDON RADIO & T.V.

24 LYNDON ROAD, SOLIHULL, B92 7QW. TELEPHONE 742 56 17

SUPPLIERS OF C.B. ACCESSORIES INCLUDING:

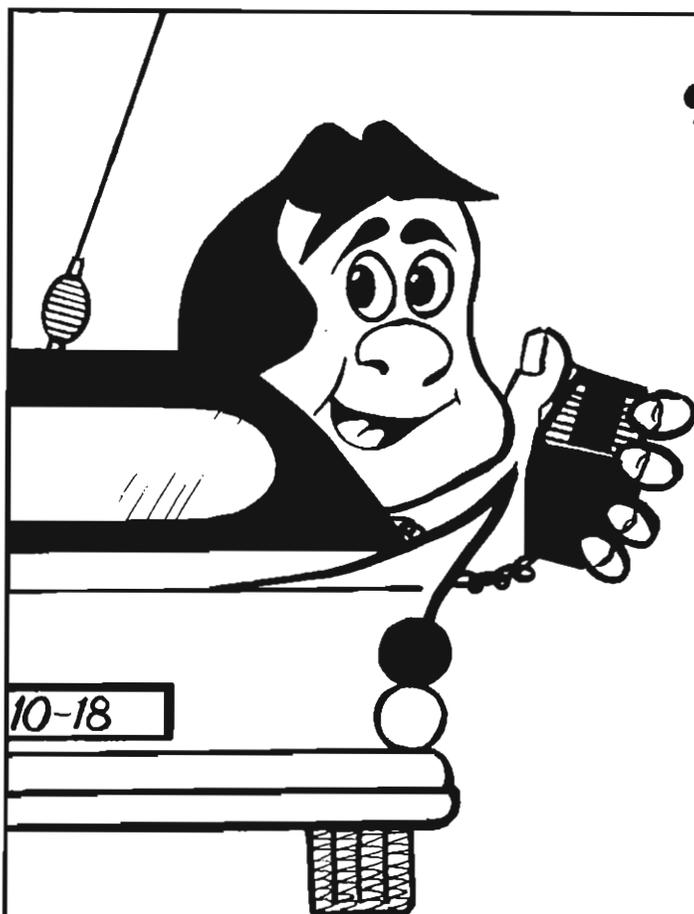


the antenna
specialists co.



DV27

WE SELL MOBILE ANTENNAS & BASE STATION ANTENNAS,
REBEL 500, H.M.P., DISGUISE, WHISKEY, STARDUSTER,
SWR. METERS, POWER MILES AND ACCESSORIES



10-18 10-16 10-16 10-16

Rolling Stock

FULL RANGE OF C.B. EQUIPMENT
ALWAYS IN STOCK

SEND FOR A FREE PRICE LIST
SPECIAL OFFERS TO A
U.B.A. CLUB MEMBERS

EXTENSION SPEAKERS:-£6.00
P.A. SPEAKERS:-£6.00

PASE S.W.R METER S.W.R, POWER,
FIELD STRENGTH:-£6.50

TI 500 BASE LOADED ANTENNA
:-£8.40

SELECTION OF POWER MICS
FROM:-£10.50

Rolling Stock

826 Wickham Road, Shirley,
Croydon. Telephone 01-776 0277
24 HOUR ANSWERING SERVICE
Open 9am-5.30pm Weekdays - 9am-4pm Saturday
TRADE ENQUIRIES WELCOME

Come Back the Breaker

Get a copy in print, it's legal!

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.

**KEEP THOSE BREAKING AREAS
COMING IN AND LET'S SEE IF WE
CAN COMPILE A COMPREHENSIVE
MAP.**

10-10 ED.

BIG JOHN and SNUGGLES

UNIT 714 48W714 UNIT 714 1/2

QSL THE WORLD Talk Around The Globe!

888-1620-alpha
10-G-851
COC-7
Small World Society-805
Cotswold Schick 359
Pill Popper 000
Pax Pucker 300
Pud Pucker 5996
Porka-Polly 7

SKIP
Frequencies
26.410
thru
27.805
UNTIL
JAILED!

COC-35
Pill Popper #1
Pax Pucker #301
Pud Pucker #5995
Porka-Polly #7
S.W.S. # 1214

**FLUSH
the
F.C.C.**

WANTED
SKIP
OSL
CARDS

WELCOME TO
CAMP SKIPOZONA
P.O. Box 8766
Phoenix, Arizona 85068

Breaking Channels

| | |
|---------------|-------------------|
| Birmingham | 14 in town 19 out |
| Bournemouth | 19 |
| 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 |

CHELSEA CB CENTRE

73-77 BRITANNIA ROAD FULHAM LONDON SW6

OPEN 7.45 TILL 4.30
MONDAY TO FRIDAY
MAIL ORDER AVAILABLE

DISCOUNTS GIVEN
TO CLUB MEMBERS
WITH CLUB CARDS



WE DO NOT SELL
NOR CAN WE SUPPLY
RIGS 'UNTIL LEGAL'

01-731 0027
ASK FOR STEVE OR TONY
TRADE ENQUIRIES WELCOME

SPECIALISTS IN ALL CB ACCESSORIES

A WIDE SELECTION OF:-
AERIALS, MOBILE & BASE, POWER SUPPLIES,
PRE-AMPS, BURNERS & SO ON.

★ COMING SOON ★

DIRECT FROM THE U.S. OF A "THE FABULOUS
VSB1 UNIT" a voice compressor and signal expander,
'has to be heard to be believed' (easily installed in any rig)

AVANTI SKINNY STICKS NOW IN STOCK

★ SPECIAL OFFER £9.50 ★

ALL AVANTI NOW ON CLEARANCE PRICES WHILE
STOCKS LAST.



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, 1½ watts output through a 19½" ¼ 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 1½ 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 4½ miles away as the crow flies and South London repeater at Crystal Palace 12½ 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, 1½ 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**

CB. CB. CB.



SUPA
Accessories

Tel: (0562) Kidderminster 66224/742461

SUPADUCK FOR CB - CB ACCESSORIES
pre-amps, burners. SWR/Power Meters, electric,
disguised, firesticks, K40, crooksticks, stardusters,
skylabs, power mikes, power supplies, ext. speakers
and suppression gear. All the CB - CB GOODIES
IN STOCK.

write:-

G. TRUCKS

P.O. BOX 9, STOURPORT, WORCS DY13 8QN

Showroom:-

G. TRUCKS

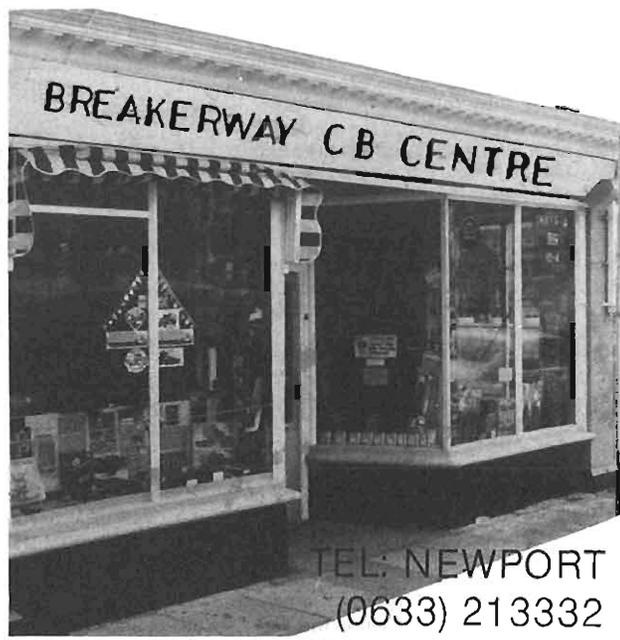
**GREENHILL INDUSTRIAL ESTATE
BIRMINGHAM ROAD
KIDDERMINSTER, WORCS.**

It's Bigger! It's Better!

It's

BREAKERWAY

101, Alexandra Rd., Newport, Gwent.
The CB Centre for Wales and the West



TEL: NEWPORT
(0633) 213332



SKIPS

CB CENTRE

MAIN STOCKISTS FOR

avanti antennas

AVANTI MOBILE

ASTRO FANTOM

| | |
|---|--------|
| Av. 200 | £17.25 |
| Moon Fantom Av.240 | £24.00 |
| 4 ft racer mobile Av.241 | £18.00 |
| 4 ft racer trunk mount Av.241f | £21.00 |
| 4 ft racer mag mount Av.241m | £21.00 |
| 6 ft mobile moonraker Av.261 | £25.24 |
| 6 ft mobile moonraker mag mount Av.261m | £34.50 |

AVANTI BASE

OMNI DIRECTIONAL

| | |
|----------------------------------|--------|
| Ramrod apartment antenna Av. 160 | £21.32 |
| Astro plane Av. 101 | £30.59 |
| Sigma II Av. 170 | £57.00 |
| Sigma IV Av. 174 | £72.45 |

AVANTI BASE

DIRECTIONAL BEAM

| | |
|------------------------------------|---------|
| Astro beam 11d B gain Av. 150 | £65.95 |
| PLD II 12d.B Av. 122 | £81.75 |
| Moonraker IV 14.5 d B gain Av. 140 | £120.95 |
| Moonraker VI 17d.B gain Av. 146 | £279.00 |

All prices are retail and inclusive of VAT

Trade enquiries welcome.

Phone 0203 362779

**SKIPS CB CENTRE COVENTRY OPEN 7 DAYS A WEEK
WHEELWRIGHT LANE, EXHALL,
COVENTRY OPEN MON-SAT 9.30-6.00 SUN 9.30-12.30**

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).

CALLING ALL C.B. ENTHUSIASTS

Your very own CB Accessories Shop

WE STOCK:

SHARP, MIDLAND, HAM INTERNATIONAL,
STALKERS, VICE PRESIDENTS, AND ALSO
BASE STATIONS (FITTING SERVICE AVAIL-
ABLE)

DISGUISED AERIALS from £ 6.45
SWR METERS from £ 8.95
PA HORNS from £ 6.50
SLIDE MOUNT from £ 3.75
HOME BASED ANTENNA from £18.95
POWER MIKES from £ 7.95
BURNERS from £26.00

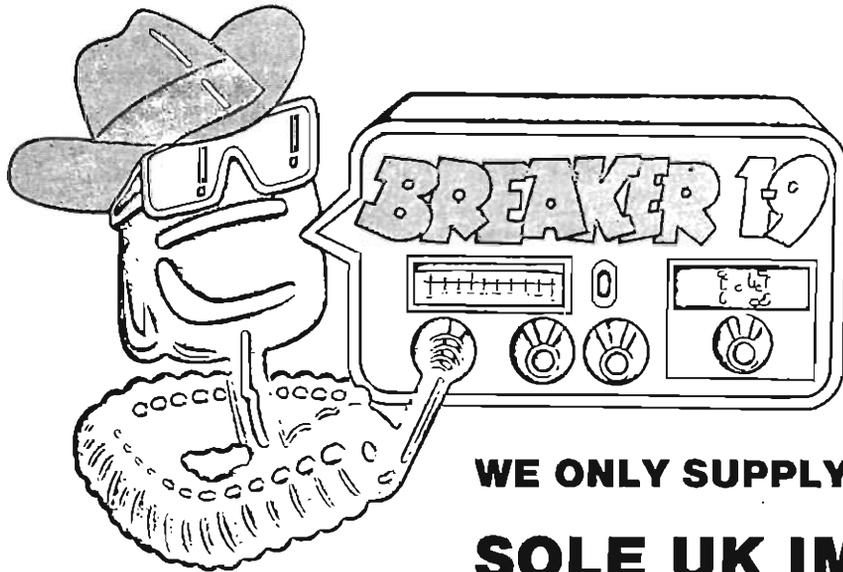


CHELMER CB ACCESSORIES

51 BROOMFIELD ROAD, CHELMSFORD
TEL: CHELMSFORD 87698



NOW OPEN IN GREAT YARMOUTH
54 NORTH QUAY, GREAT YARMOUTH. PHONE G.Y. 2450



THE SPECIALIST SHOP IN HITCHIN HERTS.

WE ONLY SUPPLY QUALITY PRODUCTS
SOLE UK IMPORTERS OF
'VALOR' EQUIPMENT

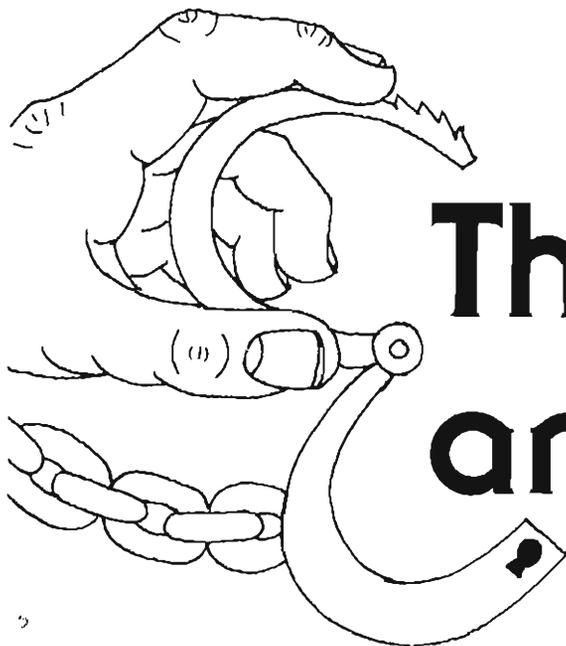
AGENTS WANTED

ALL GOODS CARRY OUR UNCONDITIONAL WARRANTY. RETAIL AND TRADE ENQUIRIES WELCOME.

CONTACT: ALAN, JEFF OR ERIC. BY PHONE: HITCHIN 57826 or RADLETT 6313.

IN PERSON: 4 THE ARCADE, HITCHIN, HERTS.

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

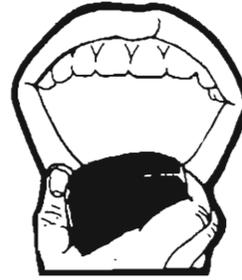
MID CORNWALL CB CENTRE

MOBILE RADIO SERVICES

All Accessories Available

Antennas, S.W.R. Meters, Slide Mounts,
Extension Speakers, etc. etc.

**TRENANCE ROAD
ST. AUSTELL
PHONE: ST. AUSTELL
(0726) 5429**



**S & H
CB
Specialists**

YORKSHIRES FIRST AND BIGGEST
CB EQUIPMENT SUPPLIER

382 LANGSETT ROAD
SHEFFIELD 6
YORKS.

**10-21 Sheffield
(0742) 336333**

PHASE 3

LEATHER PRODUCTS
HAVE YOUR OWN HANDLE,
BIKE, OR CAR NAME ETC ON REAL LEATHERGOODS



EMBOSSED LEATHER BELT (cowhide)
1 1/2" wide £3.50 as illustrated (without buckle)

Task Small: Med Large

BELT WITH YOUR OWN HANDLE
etc. (without buckle) £4.50 write what name
you require here

C.B. BUCKLE as illustrated £1.99

LEATHER KEY FOB as illustrated or with
your own logo 50p

Write Logo required facts



Please supply: Name
Address

| Quantity | Item | Price Each | Total |
|----------|---------------------|------------|-------|
| | CB BREAKER BELT | £3.50 | |
| | BELT WITH YOUR LOGO | £4.50 | |
| | CB BUCKLE | £1.99 | |
| | KEY FOB | £0.50 | |

ENCLOSED CHEQUE/P.O FOR £

Payable to: PHASE 3 LEATHER PRODUCTS.
Send to: PHASE 3 LEATHER PRODUCTS, 27a HIGHCROSS STREET,
LEICESTER, LE1 4PJ

WHOLESALE RATES FOR CLUBS, SHOPS, ETC.

Phone: **0533 24497**

MIDLANDERS 20



EYEBALL!
THESE PRICES



CBers CASH & CARRY

| | |
|---|-----------|
| DV27s | £ 6.95 |
| T 27 E | 7.95 |
| MAG MOUNTS | 8.95 |
| RUBBER DUKE | 10.50 |
| RETRACTABLE U/DOWN DISGUISED | 14.50 |
| P.A. HORNS | FROM 6.95 |
| TVI FILTERS | FROM 6.50 |
| SPLITTER BOXES BOTH TYPES | 7.50 |
| SWR & POWER METERS | FROM 9.95 |
| SKYLAB 6.2 DB GAIN BASE | 27.50 |
| POWER SUPPLY 240 TO 13.8 VOLTS 3/5 amps | 16.50 |
| 25 WATT POWER AMPLIFIER 12 VOLT | 27.50 |

LOTS - LOTS - LOTS MORE

LARGE RANGE OF BASE ANTENNAS FROM £14.75

QUICK MAIL ORDER SERVICE. ADD 10% FOR POST & PACKING.

SORRY - POSTMAN DOES NOT TAKE DV OR SKYLABS.

LOOK IN

ST. JOHN ST., BRIDGNORTH, SHROPSHIRE.

TEL: 2287

OPEN MON. TO SAT. 9am-6pm - Closed Thurs.

ATTENTION EAST ANGLIA

COMM IV

PA - TELECOMS - AERIAL CONTRACTORS

CB ACCESSORIES - BIG EARS

AVANTI BEAMS - TWEETY BIRDS

WE ARE THE EXPERTS

154 HIGH STREET
LAKENHEATH
SUFFOLK



THETFORD 860475

C.B. RADIO ACCESSORIES ARE NOW AVAILABLE AT WHOLESALE PRICES TO THE PUBLIC!!

Compare these unbeatable prices!!

| | £ | | £ |
|-----------------------------|-------|-----------------------------|-------|
| DV27 | 5.75 | Splitter | 4.95 |
| DX27 | 8.63 | NFS 1000 | 8.50 |
| T27 | 7.50 | Slide Mount | 4.50 |
| GPO Mag Mount | 8.50 | Extn. Speaker | 4.95 |
| MS 264 | 23.00 | P.A. Speaker | 4.95 |
| Retractable | 11.50 | SWR/Power | 12.65 |
| Electric Retractable | 25.00 | SWR Meter | 6.75 |
| Silver Rod | 21.85 | 5/7 watt Power supply | 13.95 |
| Starduster | 27.60 | AP 25 watt | 25.50 |
| Whisky | 19.00 | AP 60 watt AM/SSB | 46.00 |
| Sigma 4 | 56.00 | BV 150 watt AM/SSB | 86.00 |
| Sigma 2 | 46.00 | Pre amp "On The Air" | 24.50 |
| 3/5 watt Power Supply | 12.95 | PG 58 (Metre) | 0.23 |
| Standard Power Mike | 11.50 | RG 8 (Metre) | 0.65 |
| Turner + 3B | 23.00 | PL 259 | 0.34 |
| Turner + 2 | 17.25 | Barrel Connector | 0.65 |
| Ham Master 4200 | 23.95 | 5 watt Dummy Load | 0.90 |
| Ham Master 4500 | 34.50 | T Connector | 1.05 |
| Expander 500 | 43.50 | | |

PLUS MANY MORE LINES

MAIL ORDER

POSTAGE & PACKING - £1.00 PER ITEM

3 OR MORE ITEMS - £3.00

ALL PRICES INCLUDE VAT

GLOBE COMMUNICATIONS LTD.

110 Hoe St., Walthamstow, E17

01-520 7282

TEN FOUR TELECOM LTD.

C.B., OPEN CHANNEL AND TELEPHONE EQUIPMENT AND ACCESSORIES



SHOP NOW OPEN



at

22, THE BROADWAY, MAIDSTONE, KENT. TEL. 0622 681719

AN APPROVED TANDY DEALER

10% DISCOUNT GIVEN TO ALL MEMBERS OF BONA FIDE CB CLUBS

HUGE STOCKS OF ALL CB ACCESSORIES

DV 27 £7.76p MAG MOUNTS £11.21p SWR METERS £9.75p

ALSO CORDLESS TELEPHONES, AUTO DIALLERS, ANSAPHONE ETC.

SAE FOR FULL PRICE LIST AND CATALOGUE

SHOP OPEN TUE - SAT 9.30 a.m. TO 5.30 p.m.

TEN-FOUR: THE BIGGEST IN THE SOUTH EAST
RETAIL OUTLETS SOUGHT

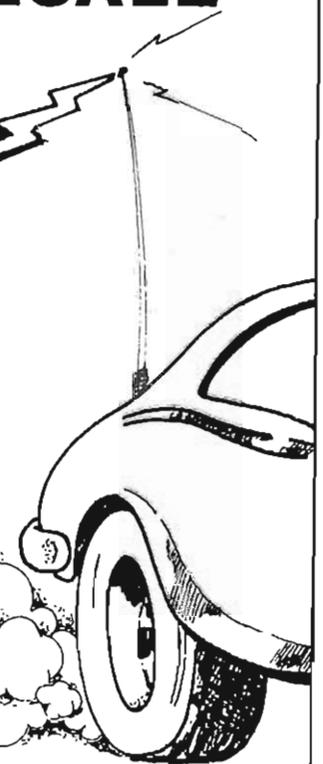
CITIZENS BAND . . . THE NEW WAVE . . . CITIZENS BAND
STREET LEGAL CB WHOLESALE
 (NOTTINGHAMSHIRE)

Main agents for: SKIPMASTER, BURNERS,
 TURNER MIKES AND MUCH MORE.
 Our prices are never bettered -
 You've tried the rest now try the best.
 Example: DV27 £5.00 complete with plug
 (our retail price)
 Retail outlets required throughout the
 Midlands.

90 STOCKWELL GATE
MANSFIELD
TEL: 31351 or 32265



BREAK!
BREAK!
 I got my ears on!
 Have you been
 down to
STREET
LEGAL
 (WHOLESALE DISCOUNT)
CB SHOP
 yet?
 c'mon.



ALDRESHOT
0252 - 318141

NEW SHOP
NOW OPEN

85 ASH HILL ROAD
ASH, ALDRESHOT

EVERYTHING CB



NEW
NEW
NEW

- **CB GEAR TO TEMPT YOU.**
- **FREE CATALOGUE OF GOODIES.**
- **LARGER SHOP.**



ENQUIRIES, ADVICE AND HELP
 9 to 6 MONDAY TO SATURDAY



DX QSL International Club Spot

The New Zealand & World Wide QSL Swap Club.

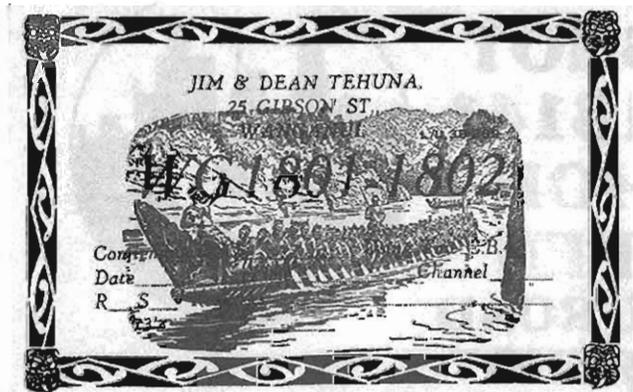
Well hi fellow QSLers,

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.



KIA-ORA
WELCOME
AND
GOOD LUCK

Greetings From **SANDGROPER**
(WEST AUSTRALIAN)

A.K. 6057
AUCKLAND
NEW ZEALAND

CHEERS
and
73's

Q.S.L.
100%

RECEIVED YOUR
CARD FROM A FRIEND
HAVE YOUR CARD THANKS

**NEW ZEALAND AND WORLD WIDE
Q.S.L. SWAP CARD CLUB**

**BERT
TURNER**
President

KIWI - 001

APPRECIATE QSL
SWAP YOUR CARD
WITH MINE

P.O. Box 41128, St. Lukes, Auckland, New Zealand

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.

LIMA CHARLIE 1

THE CB SHACK

Importers of CB communications Equipment

ACCESSORIES

| | |
|-----------------------------------|------------|
| TV1/SCI FILTERS (A MUST) | £ 6.50 |
| ANTENNA MATCHING UNITS | 7.50 |
| 3 WAY ANTENNA SWITCH | 7.50 |
| SWR/FIELD STRENGTH METER | FROM 14.95 |
| TWIN METER SWR/POWER | " 15.50 |
| SWR/POWER/WITH MATCHING UNIT | 23.95 |
| MAGNETIC BASE FOR MOBILE ANTENNAS | 7.95 |
| CB TEST METER SWR/POWER/MOD ETC. | 28.95 |
| PA HORN SPEAKERS | FROM 7.95 |
| WHOOPEE CAR ALARM | 14.95 |
| « CABLE, PLUGS, SOCKETS ETC. | |

AMATEUR RADIO ANTENNAS

| | |
|--|-------|
| 2M 4 ELEMENT YAGI 9 DB GAIN | 17.25 |
| 2M 11 ELEMENT YAGI 11.3 DB GAIN | 24.95 |
| 2M 14 ELEMENT YAGI 15.00 DB GAIN | 39.25 |
| 2M RINGO RANGER VERTICLE 6 DB GAIN | 25.95 |
| 28MHZ RINGO RANGER VERTICLE 3.75 DB GAIN | 25.95 |

**ALL ABOVE ARE NORMALLY EX-STOCK
ADVICE GIVEN FREELY**

**16 MOUNT VIEW ROAD ORPINGTON KENT
ORPINGTON (66) 32411**

CUSTOM QSL CARDS



WE WILL
INDIVIDUALLY
ILLUSTRATE
A DESIGN FOR
YOUR HANDLE.

73's

The Printshop
14, Coldharbour Lane
Hayes
Middlesex
Telephone 01-848 9241



CB ACCESSORIES

Delta Electronics

*Welcomes all the
old and all the new
breakers to our
new shop at:*

**972 EASTERN AVENUE
NEWBURY PARK
ESSEX
01-590 2240**

SOUND AROUND

CAR RADIO AND STEREOS
SUPPLIED, FITTED AND REPAIRED

01-575 5030

SOUND AROUND FOR
ALL YOU REQUIRE IN CB
OR IN CAR ENTERTAINMENT

CB ACCESSORIES

SOUND AROUND
114 RUISLIP ROAD
GREENFORD
MIDDLESEX



LET US KNOW

The British Breakers Mag.
British Breaker Productions
Tudor Works, Beaconsfield Road
Hayes Middlesex
01-561 5778

LET US KNOW

IF YOU ARE PLANNING A DEMO OR A RALLY OR ANYTHING CB OR IF YOU HAVE HEARD OF SOMETHING IN YOUR AREA DROP US A LINE AND

LET US KNOW

IN FACT IF YOU SEE OR HEAR ANYTHING TO DO WITH CB OR IF CB HAS HELPED YOU OR A FRIEND **LET US KNOW**

LET US KNOW

OF YOUR CLOSE SHAVES OR YOUR BUST ESPECIALLY IF ANYTHING HAPPENED THAT WE WOULD FIND INTERESTING

LET US KNOW

AND IF YOU EVER FEEL LIKE WRITING NOW'S YOUR CHANCE SEND ANYTHING SHORT OR LONG TO US. WE APPRECIATE IT IF YOU **LET US KNOW THEN WE WILL LET OTHERS KNOW.**

TRADE ENQUIRIES FOR ADVERTISING OR COPIES OF CB RADIO WELCOME CAN YOU USE A CAMERA? CAN YOU SCRIBBLE? THEN HOW ABOUT BECOMING AN AREA REPORTER.

CLASSIFIED ADVERTS

Wear your Club Name, or your "Handle". EMBROIDERED BADGES. Any colour, script or block lettering, any colour background. 4" x 2". (lettering only, no design work-unless 200 or over). Draw your badge, and post immediately to: G. Taylor, 'The Mere', Mill Lane, Barton-under-Needwood, Staffs. Enclose your cheque (payable G. Taylor) for £2. Allow 10 days. All badges are hand embroidered.

SOUTH DEVON CB Centre. All accessories available. **Monts Transport Cafe, Liverton.** Telephone **Bickington 333.**

THE UNITED KINGDOM CITIZENS BAND RADIO CLUB, needs your support NOW. Membership only £3.00p (and that's it!). For details including "Handle" registration send sae to **UK CB RC, 25 Walliscote Road, Weston-Super-Mare, Avon.** Name and address sent will be strictly confidential.

C.B. HANDLE BADGE. Your handle printed on top quality, heavy duty pin on badge, undoubtedly the best handle badge on the market. Only £1.00 each, post free, from: **T.V.C., Station Road, Long Eaton, Notts.** MAIL ORDER ONLY.

DONCASTER & DISTRICT C.B. ACCESSORIES. We carry one of the largest stocks in the area at realistic prices e.g. DV 27 - £10 - Twin Truckers Ears complete - £28.50. All equipment guaranteed at our two branches at **Weekend D.I.Y. Motorist, Unit, Thorne Rd, Stainforth, off M18 junc 6, Tel Doncaster 841829/841001 & 12-13 Main View Edlington off A1M junc A630, Tel. Rotherham 863792.** This Magazine available from both shops. Open Monday-Saturday 9am to 6pm. Stainforth shop open Sunday 10am to 12.30pm.

CB RADIO ACCESSORIES IN LEEDS. Phone Howard after 6pm **LEEDS 686960.**

MOBILE TELECOM SYSTEMS, 5c The Pavement St. Ives, Huntingdon. (0480) 67252. **Try us for all your CB requirements.**

CB FIGHTING FUND. An association has now been set up to protect breakers in the event of any person who is unfortunate enough to get busted. Costs incurred over the sum of £100 to a maximum of £750 will be paid promptly. Members can be assured of a fast efficient and confidential service. Subscription for 1 year is £3, made payable to **CB Fighting Fund U.K., 116 Brompton Rd, London SW3.** Membership confirmation sent by return.

THE PRINTERS OF CB RADIO MAGAZINE - Stephens Press - OFFER you a postal service for your personalised Q.S.L. CARDS by mail. Send for price list/order form. **Stephens Press, 10 Masons Avenue, Harrow, Middx., or tel. 01-427 9384 for more details.**

If this is a friends mag, for a subscription form phone Carole on 01-561 5778

SUBSCRIPTION

1 YEAR INCLUDING FIRST CLASS POSTAGE £9.50
6 MONTHS INCLUDING FIRST CLASS POSTAGE £4.75
Your name & address will be kept totally confidential

USA, AUS & all other countries surface mail same price as above.
AIRMAIL TO EUROPE 1 YEAR £13.80
AIRMAIL TO USA 1 YEAR £18.00 AIRMAIL TO AUS 1 YEAR £20.00

NAME _____
ADDRESS _____

FEE ENCLOSED PLEASE START FROM ISSUE _____

PAYMENT BY CHEQUE OR P.O. TO: **CB RADIO**
Tudor Works, Beaconsfield Rd., Hayes, Middx. **7**

CLASSIFIED ADVERTS

10 PENCE PER WORD NO MINIMUM OR MAXIMUM
Your name & address must accompany advertisement and is not confidential

No. of Inserts _____ Fee £ _____

PAYMENT BY CHEQUE OR P.O. TO: **CB RADIO**
Tudor Works, Beaconsfield Rd., Hayes, Middx.

CB RADIO ACCESSORIES

The Largest distributors of CB accessories in Scotland and the North of England

Come and see the biggest and best selection of CB radio accessories including:-

TAKE A TRIP TO CUSTOM EQUIPE



SWR METERS including HANSEN

MICROPHONES by TURNER-K4D G.C.ELECTRONICS
SUPPRESSION EQUIPMENT PLUS MUCH MUCH MORE

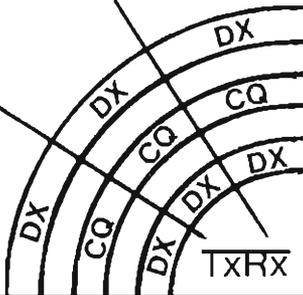
ANTENNAS by HY-GAIN SIRTTEL & HMP

CUSTOM EQUIPE

CUSTOM EQUIPE GROUP
131 FOUNTAIN BRIDGE
EDINBURGH
EH3 9QG

Telephone:
(031 229) 8830

PARTIAL FITTING SERVICE
IN OUR RADIO DEPT.



HEY

BRITAIN'S NO. ONE C.B. BOOK YOU GOT A COPY?

THE BIG DUMMIE'S GUIDE TO C.B. RADIO

ALSO at last the legendary CB BIBLE (not to be confused with CB Lingo Bible)

Please send:

- copies of The Big Dummie's Guide to C.B. at £2.95 each + 45p p.p.
- copies of The C.B. Bible at £3.95 each + 70p p.p.
- copies of The Best Book on C.B. at £3.95 each + 70p p.p.
- copies of The C.B. Lingo Bible at £0.70 each + 20p p.p.

I enclose £..... Cheques or postal orders only.

Name: Mr/Mrs/Miss

Address

Kona

PUBLICATIONS LTD. 335 CITY ROAD, LONDON, EC1.

FORMULA ONE

CB EQUIPMENT IN SCOTLAND

ANTENNAS : SWR METERS : MICROPHONES
STICKERS : PA HORNS : PRE-AMPS ETC.

SPECIAL OFFER: MAG MOUNT - £12.50 C.O.D.
COME CLEAN - FREE ADVICE - WE DO NOT SELL RIGS

246 PAISLEY ROAD, RENFREW

ASK FOR GORDON 041-885 0330

OUT OF THIS WORLD!!!



WINTJOY
THE 'CB' PEOPLE

103 High Street
Shepperton
Middlesex
TW17 9BL
Tel: (09322) 48145

SOLE UK AGENTS
TRADE ENQUIRIES WELCOME
FOR 24hr ANSWER SERVICE RING
TELEDATA 01-200 0200

'Firestik'
ANTENNAS