

MAY 1982 80p

# BREAKER

THE CITIZENS BAND  
RADIO MAGAZINE

CB CLUB  
GUIDELINES



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IN COLOUR

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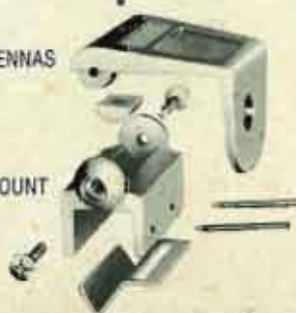
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SWR: 1-1  
MAX LENGTH: LESS THAN 1,5 M  
WEIGHT: 250 GR

IN FIBRE GLASS



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## BREAKER

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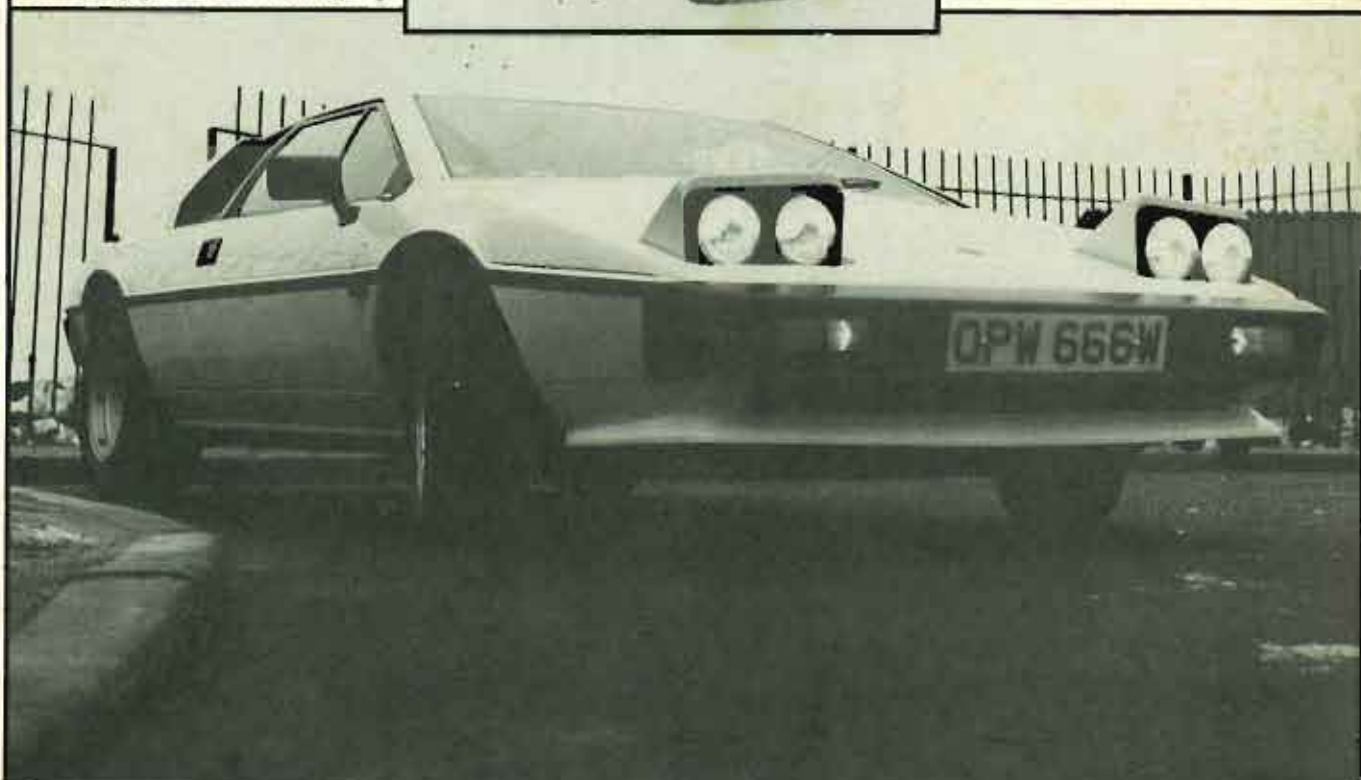
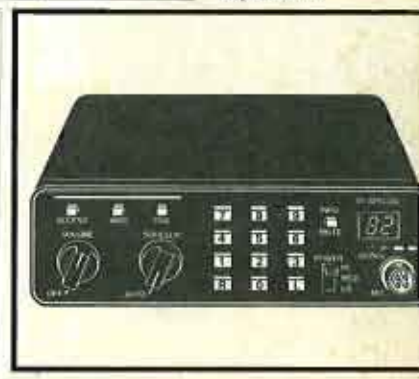
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A LINK HOUSE PUBLICATION

The publishers of BREAKER would like to make it clear that FM CB radio is legal in this country, whether it be to manufacture, own, install or use such equipment, and it is our intention to encourage and approve of such practices. 'Bout bloody time they gave us something. . .

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This is no time for beating about the bush. Straight to the point, no messing about. Right, here it is then. Hard-hitting, direct to the heart of the matter. No nonsense. What was it again? Oh, right. Spacey cover, centrespread and Harvard pix all from the noble lens and stately tripod of Roger Phillips. QSL cards from DXers all over the place who don't realise how much money they saved us.



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# Ratchet jaw

It's all right, I've calmed down now. After my vitriolic attacks on wallies and newspapers over the past few months, my colleagues (wonder why they wear white coats?) have administered the appropriate medication and I'm feeling much better. I've never before noticed the true beauty of nature; the perfection of the natural things around us. Like the moth I pinned to the back of my door with a dart last week. Or the fascinating texture of the genuine rubber that lines the walls of my private office.

So it is in this joyous frame of mind that I turn my thoughts towards CB radio and the gift of communication that it offers to our world.

We all know how CB can save lives and help drivers find their way through the maze that the Portsmouth planners call their road systems, but what has been unestimated is the effect it has had on the nation's awareness of communication in general.

It may have taken the Government years of mumbling and excuses to finally get around

to legalising CB but this is hardly surprising when you consider that it represents a significant relaxing of their monopoly on the UK's communication system.

Breakers weren't too pleased with the FM system when it was launched but enthusiasts in other forms of communication — community radio, pirate radio, satellite TV and the like — saw it as a positive move towards opening up the previously closely guarded airwaves of the country. And there have been two more significant actions in recent weeks.

Firstly, the Government gave the go-ahead to an independent telephone service to be run by Mercury, a £50m joint venture between Cable and Wireless, BP and Barclays Merchant Bank. The all-digital service will be used to link businesses by fibre optics, which will be run in cables alongside railway lines. And it will be tied into the British Telecom network.

We don't intend to make political comment on the advantages or disadvantages of

a nationalised telephone system, but it is interesting that any form of alternative communication has been given the 'green light', as they say in the poorer quality journals. The licence will be issued under the British Telecommunications Act passed last year.

Secondly, satellite TV has at last been recognised by the BBC and two special channels will beam programmes through space as from 1986. Of course, TV programmes from other countries can already be picked up with the correct equipment and we'll be looking at this in a future issue.

So, with personal communication, in the form of CB, already with us, an alternative telephone system well on its way and satellite TV finding support from our very own Auntie Beeb, what's next?

Local radio has already spread significantly in recent years but it still doesn't provide the localised service many communities need. The answer is community radio, broadcasting on a very local

basis, covering just one town or city and supplying them with local news and information. The next step would be specialist radio stations, working on a similar basis, run not to maximise profits — as are the existing commercial stations — but to provide specialist entertainment, whether it's rock, classical music, drama or whatever.

The next move could, perhaps, be a more sophisticated CB system using existing technology to provide a superior VHF service.

The possibilities, to coin a popular cliché, are endless, and the groups lobbying for the changes in legislation to make their schemes possible have been given new hope by developments in the past year or so.

While *Breaker* will continue to provide information for all CB, we also intend to look at other forms of broadcasting which, although illegal now, could become the norm of the future. After all, CB was illegal, when we began.



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Input power: 0.5 + 10 Watt  
Output power: 100 + 130 WRF 200 + 250 WSSB  
Power gain: 14 dB  
Mode: AM FM SSB  
Inside electronic switch tubes used: 6KD6  
Lighted meter Price \$84.53 (p&p \$8.00)

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Max power input: 150 Watt not more than 10"  
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Insertion loss: 0.2 dB  
Max power input: 100 Watt AM  
Price \$7.95 (p&p \$1.00)

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TRANSMATCH



The model TM 100 is for CB use, with the following characteristics: antenna match, SWR meter, power meter and switch for two antennas. They are all contained in one single box. For the technical characteristics see M 27-201-V2. Price \$39.95 (p&p \$5.00)  
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SWR WATT METER



Frequency range: 3-200 MHz  
Impedance: 50/75 Ohms Switching  
Type: directional coupler  
Insertion loss: 0.2 dB  
Max power input: 2 KWatt PEP  
Price \$29.75 (p&p \$2.00)

**MOD. M 27 D**  
MATCHBOX



Frequency range: 26-28 MHz (CB)  
Insertion loss: 0.2 dB  
Max. power input: 500 Watt AM  
Size: 160 x 120 x 80 mm  
Shipping weight: 0.6 Kg  
The MATCHBOX M 27 is necessary where there are problems with SWR antenna. It acts also as a band pass filter to reduce radio and television interference. Price \$11.90 (p&p \$2.00)

**MOD. BV 2001**  
POWER AMPLIFIER CB STATION BASE



Frequency range: 26-30 MHz  
Power supply: 220 Volts AC ±10%  
Input power: 1-6 Watt AM 1-15 Watt SSB  
Output power: 80-200-600W AM selec. 1 kW SSB  
Power gain: 22 dB  
Mode: AM FM SSB  
Pre-amplifier  
Modulation control  
Inside electronic switch  
Tubes used: N° 4 EL 519  
N° 2 lighted meter  
Adjustable SWR input  
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# Give us a break

## The rules

So, you want to make a point? You want to write a letter? Easy, just scribble on a bit of paper and send it to the address at the front of the magazine.

But remember that we won't publish letters unless you put your name and address on them. We won't print your address if you don't want us to, but we do need it in the first instance. Otherwise, it's the bin. Very sorry indeed, but there it is. Or, in some cases, isn't.

We ran this letter in the March issue, and it provoked such a response we've re-run it, with a selection of the replies.

## CB exam?

Dear Breaker,  
With the advent of legal CB, various groups up and down the country are now lobbying the government to improve the facility by introducing AM and SSB.

Perhaps the government might be a little more interested if the groups concerned asked them to licence 27 MHz as a Class C amateur licence, with a short written exam on interference and propagation.

This may not interest the everyday breaker, who just wishes to contact his buddies locally, but to the users of SSB I think it would be a great advantage. I know as a die-hard DXer I am experiencing all sorts of complaints and interference from the legal FM CB facility.

I would think that anybody interested in 27 MHz as a hobby and not just something to ask for 'time checks' and 'sexy female breakers' would welcome an exam and a licence to allow the use of the frequencies to further their interest. This could be the first step on the ladder of a lot more amateur radio Class A operators.

Viking  
Hartlepool  
Cleveland

## SSB exam/1

Dear Breaker  
I would like to answer Viking (March issue).

I have been on the air for about two years and 95% of that time I've spent on SSB, because this is what I prefer. I agree with what Viking says about a class 'C' amateur licence, as they do this in other countries, but can you really see the Home Office doing it here?

As for the wallies, I must say that in this area they are very few and far between on SSB, unlike the FM and AM where they seem to breed, and spoil it

for the good breakers.  
Thunderbird  
South Wales

## SSB exam/2

Dear Breaker  
As a dedicated sidebander myself, I think that the idea of taking an exam for SSB, as put forward by 'Viking', (March issue), is one of the best ideas I've heard in a long time. I for one, would be only too pleased to take an exam, and then send for a licence, and I think it would keep out the wallies. How many wallies are going to enter for an exam, and then send off for a licence? Not many, eh?

Axeman  
Dorset

## SSB exam/3

Dear Breaker  
As an active sidebander I would gladly take a short test to DX. However I don't think the Government would allow the frequencies which we use.

The authorities have just recommended more frequencies for hams but Buzby hasn't played ball with them yet and has allowed only a few new bands.

SSB operators trying to get compatible channels have about as much chance as a new FM CBer has of stopping the Italians blasting all over his breaking channel. If you ask any ham he will tell you that he sometimes transmits on one frequency but receives on another since the British frequencies are slightly different from anywhere else. This not only happens here, it's the same all over the world.

Even a test wouldn't stop the wallies since they would either a) buy a set and operate it illegally or b) swot up to pass the test and just carry on.  
Romeo Romeo 13  
Birmingham

## SSB exam/4

Dear Breaker,  
Regarding the letter in last month's mag from Viking of Hartlepool about SSB, I think legalisation for AM and SSB would be a good thing, even if it means taking an exam before getting a license. I have been using CB for three years and side band for a few months. I also have an FM rig which I bought soon after legalisation, but I gave up FM after a couple of weeks. Please let's not have AM and SSB full of gimmies and wallies like FM.

Bounty Hunter  
Jersey

## Name game

Dear Breaker  
I would just like to raise a point on behalf of female breakers... recently I was involved in a link-up, which was most

interesting; but everyone was expected to exchange names and addresses for QSL cards. Normally I just say that it's enough to know I've made the trip, and I don't send QSL cards.

But this particular time I was described as 'One of those', and that I shouldn't join a link-up if I wasn't prepared to QSL.

I wonder how many other women are in the same position as me... my husband works nights for a security firm; and even though we're all 'buddies' together, there are a few undesirables about, and I do not wish to give my name and address over the air.

The sooner our 'male buddies' start to realise we may have personal reasons for not wanting to QSL without having PO Boxes the better.  
Name and address withheld

## Twigged it

Dear Breaker  
Re the Home Office twig specs. The only offence is connection to anything other than a legal twig — so leave your four beam just where it is, at the same time don't be bloody stupid enough to open the door before pulling the plugs first.

F Wilson  
Aberdeen  
(But that's illegal...)

## Youth of today

Dear Breaker,  
I am putting pen to paper on behalf of all kids on the air in Oxford. What does that breaker mean by 'serious breakers'? (March issue). For most kids CB is their only hobby, whereas their 'old dears' tend to have more, eg gardening, car maintenance, food, which they put before CB. Also as many grown ups as children are wallies.  
Squeaker, Lady Penelope, Bald Eagle, Pink Panther, Rat Dog.  
(Did it really take all of you to write this letter?)

## Custom Maid

Dear Breaker,  
I hope you can use this suggestion, which could double your readership. Instead of printing full colour pictures of boring CB sets, why not sneak round to the 'Custom Car' office and nick some of their fantastic pictures, which combine, to magnificent perfection, two of the greatest gifts God gave us, namely cars and women.

I gratefully await the first issue of my free, five year subscription which you no doubt consider a just reward for this brilliant idea.  
Lunar Sea  
Leicester  
(Why not just buy Custom Car?)

## Picture this

Dear Breaker,  
I have been using other people's CB's and have found them all very good but a little expensive, so I

have improvised by sticking your brilliant pin-ups of them in my study. Please could you continue this and do more per issue.

Choir Boy  
Kent

(Yes, but you don't get out far on our posters.)

## Chart topper

Dear Breaker,  
Having read your Feb '82 issue I was very interested in your 'On the receiving end' feature, but was disappointed that you did not publish a map showing the various CB clubs areas of operation, and of course showing

areas where coverage is sadly lacking. There are many unofficial home based stations, close to motorways, who provide a very useful monitoring service, for those who know who to contact and where. I suggest that publication each month of an up dated map showing the areas covered and call signs would prompt home base stations in the areas not yet covered into action.  
Wanderer  
Manchester  
(We'd be glad to hear from all monitoring stations.)

## One for all

Dear Breaker,  
This is not a letter in support of FM, AM, SSB, 27 or 934 megs, it's a letter in support of them all.

Surely it's the breakers that matter, not whether we talk on AM/FM, 27 megs or 934 megs. But give it a chance. Most AM breakers will just scorn and laugh or some will hurl bucketmouth abuse at me, when I say that I am a legal breaker (I have my old AM rig and new FM rig as well) and vice versa. AM or FM (or the wife's 40 channel microwave) what does it matter? We're all breakers, and most of us are sick to death of hearing 'AM rules OK, FM is crap', etc. Personally, I prefer FM, but I don't despise AM and AM breakers because of it, and already the majority of (decent, sensible, that is) AM breakers are going legal, like myself. So give us a chance.

Caveman  
Glasgow  
(What else can we say, but 'yes'.)

## Biker break

Dear Breaker,  
I was reading the February issue of Breaker and I found the letter from a breaker in Merseyside. I myself am a bike breaker, and I have no problems with my rig on the bike. I have mounted it on the handlebar with the bracket supplied and two jubilee clips, and a magnetic mike grip on the tank, with the twig on the grab rail at the rear and I have no problems getting out. Also I have made a perspex cover for it to keep the water out, which only cost one or two pounds to make.

Redskin  
West Germany



Part No. 340



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# Your CB rig, £69-£89.



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We decided to race as well.

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This meant not cashing in, but laying cash out.

Long before we put our first rig on the market, we added over £12,000 to our already huge investment in car audio test equipment.

That £12,000 is just for CB testing you understand.

You no doubt also understand the Home Office originally issued the specifications for CB units.

Frankly, meeting those was easy.

What was tougher was meeting our own specifications.

We demanded from our engineers excellent quality, excellent performance, excellent clarity.

We wanted to excel.

And we do, admittedly at a price.

If you want the cheapest, forget us.

But if you want the satisfaction of knowing you bought wisely, buy Audioline.



# Give us a break

## Driven crazy

Dear Breaker,  
Regarding your article on CB security in the March issue, I was highly amused to see the picture of the Krooklok attached to the steering wheel and footbrake of the car. This reminded me of a friend who owned a mini and used the Krooklok in the same way.

After leaving the car safely locked and parked in a line of stationary vehicles, he returned, got into the car forgetting about the Krooklok, started it up and proceeded to drive off. To his amazement the wheel wouldn't turn, he immediately tried to depress the footbrake, which owing to the lock was impossible. Bang, £140 worth of damage. Imagine if he was parked anywhere near a cliff-top.

Please, if you're going to use one of these attach it to the clutch so making the car immovable.

D Rose

Wirral

(If you're daft enough to drive a car like that, then you could probably nail the car to the ground and still hit something.)

## Monitors?

Dear Breaker,  
I was interested to read your article on REACT and THAMES, and amazed that you even draw comparison between the two.

Those of you who live in South London should turn their CBs to channel 9 for an evening and listen to the difference between the two organisations.

It will soon amuse, then sadden, then infuriate the serious CBer that the greatest mis-users of the Emergency Channel are THAMES monitors themselves. In one hour the other evening some 150 non-emergency messages were put out by THAMES monitors, so if there was an emergency call I doubt if it would have been heard anyway.

Smokey One

Surrey

(After a letter like that we can only offer the right of reply to THAMES. Any offers?)

## Male delivery

Dear Breaker,  
Whilst driving up the super slab tonight, reading your March issue, and modulating with all one of the good buddies to be found on the one nine (FM) I dropped the power mike onto my privates. Not because of Claire posing with XR2, but at the letter published in 'Give us a Break'. (Getting Picky — March issue).

'Gosh!' I thought crippled in agony, this could be my big chance. Through watering eyes I see visions of myself posing nude with 100 metres of RG8 coiled loosely around my ankle winding its way up to my inner thigh, all with very little power loss. Or how about holding a half wave antenna against the lower part

of my abdomen at an angle of 45 degrees for maximum dB gain?

As I lie draped across the steering wheel slowly sinking to the pedals I ask could this be the answer — to turn the lady readers on to Breaker?

Max

Herts

(The lady breakers are already turned on to Breaker. You should see some of the letters we get and don't publish.)

## Up top

Dear Breaker,  
As recommended by several dealers in CB, I am thinking of buying one of the Rotel RVC range. I have heard a lot of good about them from various CB enthusiasts who say that they are good rigs for under £100. All the same, would you run a review on them sometime so that I could see what the top people think about them.

Dragon Rider

Cambs

(We only ran this letter because he called us 'the top people'.

Good lad.)

## Rough ride

Dear Breaker,  
May I congratulate you on the splendid centre page spread in the March issue.

One can imagine a motoring correspondent's blurb on the Ford Fiesta XR2ie — Get into an XR2 and heave a thigh of relief. Whilst being easy to get into Ford have made a couple of big boobs in their front seat position. The set up is extremely convenient, with the REACT channel attractively positioned. The driving position is a little cramped and although being OK for short drives you could do yourself an injury on longer drives, and for the larger male it could be quite a squeeze getting yourself in and out. The upholstery is on the frilly side, the suspension a little on the loose side, and this made it possible to hit bottom under certain driving conditions. To conclude all in all, it could give a great joy and satisfaction if driven with affection, and attention given to regular servicing.

R Newton

Peterborough

(Have you tried writing for Custom Car?)

## Knockers

Dear Breaker,  
I would like to point out to breakers in the Blideford area who are knocking FM, that it is an extremely good system. Personally I have found that the range on FM is most pleasing and the clarity is more than adequate.

Most people are gradually drifting from AM to FM, but I have heard many rumours about the legal system spread on AM, which could easily deter a prospective buyer from purchasing a legal rig.

Many rumours have been spread about TVI and other forms

of audio breakthrough which in many cases are untrue. Most people who have changed have found it a very acceptable communications system.

Tempest

North Devon

(Talking of TVI... we're planning a feature on TVI, it causes and its cures, so if you've solved yours, drop us a line and tell us how.)

## Out cider

Dear Breaker,  
Who does Caveman think he's kidding? (Give us a break, Feb). Ordering a Fidelity 1000 instead of a Mariner just because Ham International neglected to send him a load of information, which is already in your rig guide!

The poor guy is obviously a day dreamer drooling over spec sheets but when he finally decides on a rig he opts for a boring and basic one. All this rubbish about putting down Ham International to anyone who asks for his opinion just goes to show that the poor guy isn't playing with a full deck.

Crossbow,

Doncaster

(And the award for Bitchy Letter of the Week goes to...)

## Spreading the word

Dear Breaker,  
I suggest the following experiment.

At a fixed date and time a transmission is made sending a message from breaker to breaker — it could well reach anywhere in the world. It could be done on both AM and FM (let's see which gets furthest), as each breaker relays the message the handle is added to the message. So the final message will indicate how far the two systems reach. Obviously it is likely to end up like *send three and four pence we are going to a dance*. It could be the source of a lot of amusement.

The message should indicate the friendship, and goodwill between breakers, that needs a lot of thought.

Malvern Mile-eater

Worcs

(It's been done in the UK with some success. If wanted to spread the word over Europe on FM, we'd have to supply the rigs.)

## Personal Attacks

Dear Beaker  
I thought there must be something in the legalisation of AM in the spring rumour. I wrote to one of your rivals in an (unprinted) letter about it, partly because of the hypocrisy of amateurs, who did not start squawking about losing 28 MHz (with a few exceptions, like David Gibson in his Practical Wireless column 1984-73) until CB and repeaters arrived, the latter in 1971. In fact, British amateurs showed little interest in any frequency above 14 MHz until then. In 1971, Gibson said, I think 144 MHz is a joke, all you

can hear is the spotty G8 in the next block and he called 70 MHz (4 metres) the RF graveyard.

I believed the rumour for the reason you gave in your February issue. The Home Office seem to be pathological liars. They saw that ordinary people must obey the law, but have been breaking the laws on prison overcrowding for years. Their law, our order. They say the British cannot be given rights to see, hear, read, smoke what they like, to be relief-massaged etc. which nearly every other European country stopped trying to repress years ago.

Is a country which has not been successfully invaded since 1066 going to collapse because some of its citizens, including children, use milliwatt 49 MHz transmitters fitted with run-down zinc-carbon PP3 batteries? Even France, the second most paranoid country on earth (excluding the USSR and China) about real CB, has always allowed the use of these unlicensed radio-microphones. The Norfolk police said they will clamp down on the use of these devices. So much for the law not concerning itself with trifles!

This crusade will not stop rapists, murderers and muggers, but like kicking down the doors of cannabis users at 4.00 am, scouring all the pents' toilets for homosexuals and raiding sex-shops and prostitutes, it will keep the conviction rates up!

In a Guardian letter, 29 October 1981, Dr W Gosling, a real radio expert said he was opposed to FM for anything because it wastes space. He said that SSB, which he would have liked to have seen for CB, is probably no worse than FM as far as direct interference is concerned (presumably harmonics as well) but that the latter causes less anomalous interference (stereos, computers, etc).

The inherent hiss, almost as bad as a superegenerative detector, on FM, means a squelch is essential for prolonged listening and that means you lose weak signals. With AM/SSB a squelch is sometimes useful, but not essential.

Aircraft VHF (118-136 MHz) uses AM (never FM, in spite of what it says on multiband receivers) not, as even a wireless world leader writer thought as recently as 1977, because no-one has bothered to replace it with modern FM, but to avoid the capture effect and the need for a squelch. The police and other public services use FM, but have high-powered transmitters and repeaters, with squelch permanently on the receivers.

R Saunders

Birmingham

(Now, we want a clean fight. Break when I say break...)

# Lowdown

## Caption Marvel

A month or two ago we ran a little competition. You remember the one, we gave you a piccy of a mini and a policeman and asked for brilliant, witty captions. Well, after a great grunting, scratching of heads and stretching of imaginations the entries flooded into the office. And when we say flooded we mean... It left us with a problem—how to sort out all these unprintable, libellous and downright disgusting captions.

We sorted through all the entries, read one or two, and pulled out all those with bribes attached. Then we had another look and took out any that made us smile. Unfortunately the Cuddley Claire demanded a look at these too, and made us throw away all our favourite ones, so in the end we were only left with one that was even vaguely printable. And he won. But in the best tradition of beauty competitions we'll announce the winner last, with a few mentions for those you supplied bribes along the way.

Peter Bibby from Dereham, Norfolk sent us enough suggestions in one letter to fill the competition on his own—only thing is that they're all awful. Still, the bundle of notes pinned to the letter ensures a mention. We like to give value for money. Andrew Chester from Orpington, Kent also sent a bribe, but it was a little on the low side. A tip there for the future, eh Andrew?

Apollo from Wilmslow in Cheshire sent us a cheque, as well as a couple of hopeless suggestions. Funny thing was the bank wouldn't accept it. Wonder if it had anything to do with the fact that it was drawn on the Credit Bank (CB—get it? Oh, never mind) and signed by President Reagan. Andrew Evans who lives in Rhydyfelin, Pontypridd, Mid Glamorgan sent us a picture of his dog... or at least we think it was his dog. It could have been him.

And finally we come to the lucky winner. Fanfare, roll of drums, applause from the crowd etc. T. Denyer, Kyle of Lochalsh, Ross shire sent us this.

Policeman: 'And you say you

are the BBC outside broadcast unit?'

How's that for honesty, he won and he didn't even send us a bribe. We'll send Mr Denyer all sorts of goodies, including a home base antenna and a ground plane kit which the lads from Lightning Antennas accidentally left, er... kindly donated. Other items will be carefully selected from the wide range of quality CB accessories we found in the bottom of our cupboard. Thank you and good night.

## Meter of course

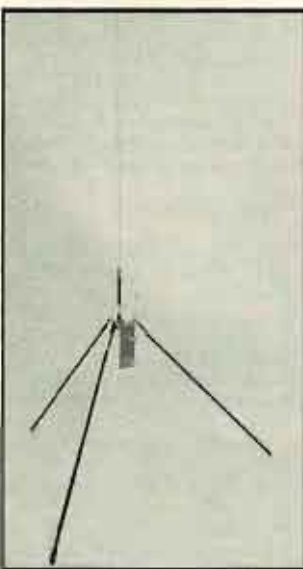
Although most sets have power meters built in to them, it's fair to say that a lot of them are mainly for show and to get an accurate power reading you need to use a professional power meter, which tends to be expensive and unsuited to mobile installation.

VTronix have come up with the answer. They are now selling an Automatic Performance Monitor, which in English means it's a power meter. Apparently it's accurate to professional standards, although this is hidden by the fact it uses an LED read out which is not as accurate as a well calibrated meter. LEDs do have the advantage of being easier to read, especially when mobile, and the 10 lights on the Performance Monitor should give you a fairly accurate reading.

The unit is neatly styled and should fit in well with most rigs and dash boards, and of course, you can use it home base. It's

radiating element.

Three Supa Stix from Hy-Gain bolt straight into a bracket, and the element bolts into the middle of that. The radials are angled downwards, so that they can be used as a tripod for a free standing set up, or you can use a bracket supplied with the kit for pole mounting. The Supa Stix come in three sizes, each with its own colour, so depending on which size you want you can have them in red, black or white. The price is around the £20 mark. For more information contact Globe Communications on Lea Valley (9) 762472.



April 18. The main part of this is a 17,000 mile motor bike ride by 24 riders who will start from London and spread out across the country to contact all 180 Samaritan branches.

The main point of the ride is to publicise the services of the Samaritans and to try and make people more aware of the signs of a possible suicide. The Samaritans always need more volunteers to man their phones, and money to get extra lines, so if you think you can help then contact the Samaritans at 17 Uxbridge Road, Slough, SL1 1SN.



available from most CB shops, but if you have any difficulty then contact VTronix direct at Unit 10D, Dwakins Road, Hamworthy, Poole, Dorset.

## Supa dupa stix

More home base equipment from the chaps at Lightning Antennas. This time it's a clever adaption of some illegal helically wound antennas into a ground plane, using a Wot Pole as the

## Help the helpers

Nothing to do with CB, this one, but then that's never stopped us before and we know a good cause when we see one.

If you rush out and buy Breaker as soon as it hits the news stands (which you do every month) then you might have time to support this event. The Samaritans, the charity that helps lonely and despairing people, are launching a National Samaritan Week on

## Over done

If anyone down in Worthing is wondering why the Overlord isn't on channel these days, we'll tell you. He had his rig half-inched. It seems our rig security feature came a bit too late for some people, but we like to do our best to help so here's the details on Overlord's rig. It's a York JCB 863, serial number 10904039 and it was stolen from outside his house in West Durrington, Worthing.

6

22-8-01

2/2/81



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President Reagan



Sussex. If you're offered this rig pass the details on to us and we'll tell the Overlord.

### Shellpost go HMP

Shellpost, the people who import Colt rigs, are importing four new antennas specifically designed for the British FM system. They all come from the HMP range in a variety of materials.

The GB 27 TL has a glassfibre whip and comes with a boot mount. As with all the antennas in this range, the metal parts are chromed. The UK 27 FS has a stainless steel whip and a spring loaded base, and fits to a

Midlands, who runs an Amstrad 901 from the pram of his six month old daughter, Kama. Trevor thinks it's a great idea, but Kama was not available for comment. Strangely this isn't the first rig in a pram we've heard of, in January 1982 we ran a story on Malcolm Edwards who was doing a 2000 mile sponsored walk, with a pram and a rig. Gives a whole new meaning to the phrase 'what rig you pushing?'

### House breaking

Around a dozen or so homebase rigs have been announced now but there are only a few actually on sale. And, as we've said before, some of them are ridiculously overpriced because you're still getting the same components as in a mobile rig and paying £100 or so more for a larger housing.

The H407 from Harvard, on the other hand, is a lot more compact and sells around £80-100; the price of a mobile. For your money, you get RF gain, mike gain, PA and channel 9 switch plus the normal controls, so it seems good value.

### Export orders

We've had a worrying letter passed to us by Bulldog in Essex. Bulldog's a QSLer, and he's used to getting mail from all over the world, but this letter proved to be a bit too much. It's a QSL chain letter.

Chain letters were all the rage a few years back, and the way they work is simple. You send a letter out to a number of people, say seven, and tell them all to send you £1. They each copy your letter seven times and put their name at the top, above yours. Then they send it out to another seven people, and in theory they all send them, and you, £1. They then do the same, putting their names at the top, and sit back and wait for the money to arrive. The only difference between this example and the QSL version Bulldog gave us, is that only four people take part at any one time, the cash is one dollar and you also send a QSL. The letter promises over 7000 dollars and a similar number of QSLs.

It's written in rather strange English, and it's impossible to tell where it came from originally.

### Money talks

Mrs Judith Simpson is a disabled mother of four, but that didn't stop her when it came to raising money for another disabled person. Judith has been in a wheelchair since she had a stroke, but she's raised £500 to buy a special wheelchair for a child.

For five hours Judith was



standard 24mm through the body mount. The GB 27 S is a mix of the two models above, with a glassfibre whip and a through-the-body mount, and finally there's the UK 27 S, which has the stainless steel whip, through the body mount but no spring loading on the base. All of these should be available through your local stockist.

### Pram and proper

You don't have to own a car to go on channel, right? You can put CB radios on push bikes, motor bikes, boats, prams... prams?

We've heard from Trevor Green, of Bilston in the West



Bulldog received it from Holland, but other addresses on the letter are in France, Sweden and Spain, so the letter has been around.

The worst thing is the end of the letter:

'Your name was indicated because you are a good QSLer, if you can't continue this game in the name of old friends that take part in it, we ask you please to send this letter one of your good CB friends.'

While making no excuses for the bad English, the idea that all good QSLers would continue the chain, and you're somehow failing them if you don't, is ridiculous. If you get one of these letters, take our advice. Throw it away.

wheeled up and down Northallerton High Street, Yorkshire, while she nattered away to local breakers. A rig was specially fitted to her wheelchair for the occasion, and Judith says she was sorry to see it taken off afterwards. Maybe someone should give her a rig permanently?

### HE'll fix it

Got a note here to mention Hightown Electronics, Hightown, Hednesford, Staffordshire, who handle repairs for distributors and the like. They have access to spare parts and all sets are returned with a report saying what was wrong and what it cost in time and materials. That's another scrap of paper off the desk.

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And the infant Moses was found among the bullrushes by the pharaohs daughter



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## Lotus prey

Reactions. Driving a Series 3 Lotus Esprit is all reactions. The driver's reactions, certainly, but more importantly, the reactions of those who see you driving it. Believe me, they're not all complimentary. Oh no.

Sure, you get more than your fair share of small boys looking at you goggle eyed and screaming. 'Coricookathat. An Es-pir-rit. We've just seen an Es-pir-rit. What'll it do, mister? Ton-fifty? And the girlfriend does tend to let slip a muted little moan of delight as she lowers her botto into the red velvet passenger seat. And other people's girlfriends do tend to eye you in an altogether different light. I'm telling you—a Lotus Esprit gets rid of spots quicker than Clearasil ever did. And then there was that little old lady—this one's my favourite. I was parked up somewhere and she came trotting along with one of those shopping bag on a stick things. She saw the car, and she stopped, and she had a good look. Then she stuck her head in and said, 'Just having a look at your car. Lovely! What sort is it? Oh yes. The Japs, I suppose. What? British? Well done (patting my shoulder through the window). Well done. British! Marvellous. Well I never.'

But then there were the sort of people—lots of them—who gave me looks more suited to someone who had just raped their sister. The idiots who overtook me on motorways when I was simply out for a pleasant afternoon's drive, thrashing the hell out of their Datsun estates and giving me the V-sign as they smoked on by. The Flash Harrys in their big Yank V8s who asked me if I 'fancied myself?' (I don't actually. Far too spotty for my liking.) And then there was the guy who pulled up next to me in a filling station, driving a K-registered Triumph Dolomite, and jumped out and shouted—without a word of a lie—'You flash bastard. People like you make me sick.'

Ignorance, as they say, is bliss. Towards the end of my week with the car people like him were beginning to make me feel rather bilious. They all immediately assumed that the driver—me—was stinking rich and probably the sort of bounder who swindles old ladies out of their pension money. And I don't. Not anymore. The fact is that the price of a Series 3 Lotus Esprit has just been reduced by almost £2000 and will only set you back £13461—well within the price range of a great many people, even in these depressing times. A top of the range Granada, for example, will cost you only about two grand less, and how many Granada owners get hissed at in the street?

I suppose it's all to do with the looks of the glass reinforced plastic body—that shape. It could be described, and no doubt is, by Lotus enthusiasts, as the sports car epitomised.

Perfection. Whatever, it's certainly the most headturning car I've ever driven; more so than any of the Porsche range (I parked up behind a 928S one day, which at £25000 is twice the price and probably twice the car—nobody took any notice of it) and at least on an equal par with the Ferraris and Maseratis of this world. But, unlike a Ferrari or a Maserati, you can't really appreciate a Lotus just by looking at it, or listening to it. The 912 2.2 litre, four cylinder, 16 valve engine producing 160bhp at 6500rpm, is pretty weedy when compared to those huge V8s and V12s of Ferrari. No, the only way to appreciate a Lotus is to drive it.

Thanks to the introduction of the Turbo Esprit in 1980, the Series 3 Esprit has undergone some pretty significant changes over the old S2. The S3 now incorporates the chassis and suspension layout of the Turbo version, and rationalisation of componentry and tooling has permitted a considerable price saving on both vehicles; thus the £2000 that I mentioned off the S3, and £4000 off the Turbo.

Basically the changes include a wider front box section and suspension mounting points and a new space frame engine and transmission cradle, giving a four point, wide base, mounting system for better control and noise suppression, and more torsional stiffness. Sorry about that, but it is rather important. The rear suspension is also revised, as are the brakes—solid discs rather than ventilated—while the Speedline alloy wheels are now being shod with Goodyear NCT tyres instead of the old Dunlops.

The remaining differences are mainly bodywork changes, visible except for the very important improvements to sound and vibration insulation. The S3 looks neater than the S2, but meaner. Wrap around bumpers, sills, number plate housing, new air scoops behind the quarter windows, and new coachlining and graphics are the obvious alterations.

When you start to drive the car, the first thing that strikes you is how smooth it is, and how simple to operate—one feels totally at ease within minutes of pulling away for the first time. And the benefits of the new sound deadening are immediately obvious. The car zips through its considerable rev band with glee and there are no problems of vibration whatsoever. As the engine has had little more than minor modification, these improvements have got to be down to that new chassis and suspension—see, I told you it was important.

The gearchange isn't one of the easiest in the world, being rather heavily sprung, but is actually quite pleasant once you've got the hang of it—the short lever being perfectly situated on the central tunnel top, allowing nice relaxed changes. Taking the car

up through the gears to maximum revs you reach 30mph in 2.5 seconds, 60mph in just under seven, and 100mph in just under twenty seconds—remarkable performance for a four cylinder engine. Lotus claim a top speed of 138mph with the car in overdrive, but with two people in the car almost all the time I never managed anything like that. About 125mph was the nearest I got, and I wouldn't like to bet that the car would ever get much above 130mph. Petrol consumption, however, was consistently excellent at more than 20mpg.

It would be churlish to complain about performance figures like these from a four cylinder, but it's in the handling department that the Lotus really comes into its own. Steering is of the simple rack and pinion type, with no power assistance, but it feels just right. As speed increases, so does one's awareness for what is a superbly sensitive system: you really do feel at one with the car... grasshopper.

There's very little in the way of roll to give the driver an idea of just how fast he's cornering, and the Lotus really does come at very high speeds indeed. The car's natural tendency is towards understeer but if you do get out of line—which isn't easy—it's all so easily correctable. You just guide it around those corners... or is it the car guiding you? It insists upon being driven round corners efficiently. It really is that good, and a joy to experience.

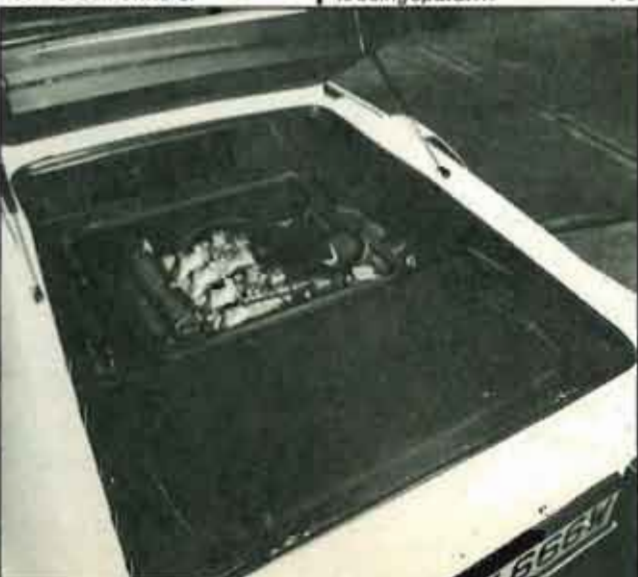
There's not much to complain about in the braking department either. The Esprit will tolerate braking into a corner to remarkable extents—another important safety feature, and another massive surge of confidence for the driver.

It's not all peaches and cream, of course, but one feels such a cad to mention the problemettes—they're so minor. Leg and headroom doesn't exactly overflow, visibility is pretty dismal, and the ventilation system difficult to set. Luggage space is about as good as you might expect, the tailgate is tricky to close, and working on that mid-engine must be a pain in the neck. Or somewhere.



But who cares about all that? The Lotus Esprit S3 is a very desirable car. At the current 'knock down' price it sits head and shoulders above its rivals, with handling comparable to many a car costing twice the price, and for a four cylinder engine, amazing performance.

I reckon I could soon get used to being spat at... PC



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# A switch to nine saves lives

Last month we looked at channel nine, its uses, its problems and the possibility of protecting it by law, in a bid to keep it clear for those who might need it in a hurry. Legislation along those lines may or may not materialise — we'll keep pushing the point and hope you will too — but the most important thing is to make people aware of channel nine. Aware of its uses. Aware of its importance. And aware of the conventions which, although only voluntary, must be adhered to by every breaker if the vital link is to continue. Although we would like to see it protected by law, it's really more a matter of attitude than a matter of law. We could say it's a matter of common sense but, as we also know, there are a minority who have as much common sense as a dead ferret. And they're as much use.

If you read last month's feature — a £1.20 donation to the Murphy Rover Restoration Fund will get you a back copy — you'll know we spoke to REACT, one of the major monitoring groups. As soon as he put the phone down, Vic Bull, who looks after REACT's PR and newspaper, got out his John Bull printing set (the one with capitals, mind, he's a professional) and made a note of the nine most common questions asked about channel nine. Not being one to leave a job half done, he answered them too and sent the result to us.

Whether you're a REACT monitor or not, we think you'll agree it makes a lot of sense — and if you don't agree, you've only to drop us a line. Channel nine, and all it stands for, is the 'responsible' side of CB radio — the acceptable face, if you like — and it's vital that we keep it clean. Whatever the Government says or does, CB in general, and channel nine in particular, is only as good as the people who use it — or as bad as the people who abuse it. Mr Bull will now answer your questions. One at a time, please.

**Q** My licence says I can use all 40 channels, but now I am told I can use only 39. Is this fair?

**A** You can use all 40 channels of your CB radio, but some channels have a special use. Channel 14 is the calling channel, channel 19 is the truckers' channel and channel nine is the emergency channel. They are all there for you to use, as and when you want, or need, them.

**Q** Why did the Post Office (or Home Office, or British Telecom make channel nine the emergency channel?

**A** Let's put the record straight. Neither the Home Office, Post Office or British Telecom had any say in making channel nine the emergency channel. Channel nine was an inheritance from the days of AM CB radio, and this in turn came over from the USA. It is you, the breakers, who made channel nine the emergency channel, and it is you who will make it a success or failure.

**Q** What can I use channel nine for?

**A** This will depend on the facilities offered by your local monitoring agency. The most important use of channel nine is for emergencies and all monitoring agencies cover this aspect of work. But please remember CB is no substitute for the telephone — if there is a house or shop or public phone box nearby, use it. Other services on offer vary, and include help in finding your way, details of late night chemists, help in obtaining a breakdown service, help in obtaining a plumber, electrician, etc. The list goes on. In non-emergency cases, channel nine is used only as a calling channel, to call up the monitor. He or she will then take you to another channel.

**Q** I thought channel nine was for only 10-33's?

**A** A popular misnomer of channel nine is the name 'emergency channel'. A better name would be 'assistance calling channel'. We, the monitors of channel nine want to help you and, provided you use the system in a proper manner, you will find us most helpful in all forms of assistance.

**Q** I've often listened into channel nine and it seems to be used for monitors to report on and off duty, clear others off the channel and tell the world they are going for a 10-100.

**A** In some areas, I've heard the same. When a monitor reports on duty, I've often felt like saying so what! A well-trained monitor should not be heard on channel except when assistance is needed. As this is still early days of legal CB in this country both breakers and

monitors are new to the game. Time will train us all in correct procedures and usage of this channel.

**Q** Is a monitor trained?

**A** I can only answer for REACT monitors, and the answer is yes. We have our own national training officer, who, through our newspaper, REACT UK, is providing training to the members.

**Q** Can monitors get into trouble for passing on a hoax call?

**A** In theory yes, but if the monitor passes on information in good faith, then he or she should not be liable for any backlash if the information is false. The originator of the false information has broken the law, and can be prosecuted.

**Q** Do emergency monitors go out and assist in road traffic accidents?

**A** An emphatic no. This is not what channel nine monitoring is all about. We have the finest emergency services in the world, and the job of a CB monitor is to assist, not get in the way. I would like to emphasise the point that monitoring is not just about RTAs. In this country, with a very close-knit community and excellent telephone network, CB channel nine emergency use will be less used than in the States.

**Q** I used channel nine by mistake the other day and the monitor was very rude to me.

**A** If this happens to other readers then please try and find out the monitor's name, or unit number and report them. A monitor, although an amateur, must train him/herself to a very high standard, and must be patient and obliging. They must be willing to talk when asked to and learn to shut up when provoked. A channel nine monitor should be a top-notch breaker and a person interested in helping his fellow man.

So there are REACT's answers to nine questions about channel nine. We could spout on all night about it — incidentally, the best way to shut us up is to buy us a pint — but we want to hear from you, so write to: Channel nine, Breaker, Link House, Dingwall Avenue, Croydon, Surrey.

REACT's national training officer, Mike Newbold, has also had thoughts about the other 39 channels and their various uses. While channel usage varies from area to area, the following list brings together some of the best ideas, used locally or nationally, and suggests some sort of standardisation could be applied where applicable. The number of times you'll need the coastguard in Manchester are likely to be limited and the agricultural channel isn't going to be over subscribed in Chelsea, but given local variations, it provides food for thought. If you have any comments or ideas, you know what to do.

... shall not  
... to operate under his station  
... addition, all communications by the  
... for the purpose of demonstrating such  
... shall consist only of brief messages  
... addressed to other units of the same station.

**95.85 Emergency and assistance to motorist use.**

(a) All Citizens radio stations shall give priority to the emergency communications of other stations which involve the immediate safety of life of individuals or the immediate protection of property.

(b) Any station in this service may be utilized during an emergency involving the immediate safety of life of individuals or the immediate protection of property for the transmission of emergency communications. It may also be used to transmit communications necessary to render assistance to a motorist.

(1) When used for transmission of emergency communications certain provisions in this part concerning use of frequencies ( 95.41(d) ); prohibited uses ( 95.83(a) (3) ); operation by or on behalf of persons other than the licensee ( 95.87 ); and duration of transmissions ( 95.91 (a) and (b) ) shall not apply.

(2) When used for transmissions of communications necessary to render assistance to a traveler, the provisions of this Part concerning duration of transmission ( 95.91(b) ) shall not apply.

(3) The exemptions granted from certain rule provisions in subparagraphs (1) and (2) of this paragraph may be rescinded by the Commission at its discretion.

(c) If the emergency use under paragraph (b) of this section extends over a period of 12 hours or more, notice shall be sent to the Commission in Washington, D.C., as soon as it is evident that the emergency has or will exceed 12 hours. The notice should include the identity of the stations participating, the nature of the emergency, and the use made of the stations. A single notice covering all participating stations may be submitted.

f 95.85(b) (1) & (2) amended eff. 9-15-76; VJ (75)-21

95.87 O... by, or on behalf of, persons  
the licensee.  
authorized in this  
of the li...

(a)

3. This licence is not transferable.
4. The apparatus shall be so designed, constructed, maintained and used that its use does not cause any undue interference to wireless telegraphy.
5. The apparatus and this licence shall be available for inspection on demand by a constable or a person acting under the authority of the Secretary of State.
6. All transmissions, other than selective calling signals or digital transmissions designed solely to identify the transmitter, shall be in plain speech only.
7. The equipment may not be installed or used in any aircraft or other airborne vehicle.
8. No transmission which is grossly offensive or of an indecent or obscene character shall be sent of any kind.
9. The apparatus shall not be used for the purpose of advertising or soliciting goods or services.
10. The Secretary of State may at any time after the date of issue (i) revoke this licence or vary the terms, provisions or limitations thereof by a notice in writing served on the licensee, or by a general notice published in the London, Edinburgh and Belfast Gazettes, or in a newspaper published in London, a newspaper published in Edinburgh and a newspaper published in Belfast addressed to the licensee.

**1 to 6 — NORMAL CONVERSATION**

Used for normal conversation after initial contact on channel 14

**7 — AGRICULTURAL OPERATIONS**

In country areas this channel is often used by farmers and land workers. It is used as a regular channel in urban areas.

**8 — SAFETY CHANNEL**

While this channel can be used for regular conversation, it is customary to leave it clear for use as a relief emergency channel by doctors and medical personnel.

**9 — EMERGENCY CHANNEL**

This is the emergency channel and only emergency traffic should use it.

**10 — SAFETY CHANNEL**

Similar to 8, but should be considered as a relief emergency channel for use of emergency monitoring stations and organisations.

**11 — TRAFFIC RELIEF CHANNEL**

Normally used in suburban areas to avoid use of channel 19. Especially used where a motorway passes close to an urban area.

**13 — MARITIME OPERATIONS**

For use in coastal areas, inland waterways and for boating activities. Also used as a marine/boating calling channel.

**14 — CALLING CHANNEL**

This is the normal calling channel. Used to make initial contact with other CB operators. When contact is established move to another CLEAR channel to hold your conversation. Not to be used for traffic information as this unnecessarily occupies this most essential channel.

**15 to 18 — NORMAL CONVERSATION**

Use as channel 1.

**19 — TRAFFIC INFORMATION/TRUCKERS CHANNEL**

Used for short conversations concerning road conditions, road hazards, etc. Priority should be given to long distance drivers to whom it can be an important part of their livelihood.

**20 to 29 — NORMAL CONVERSATION**

Use as channel 1.

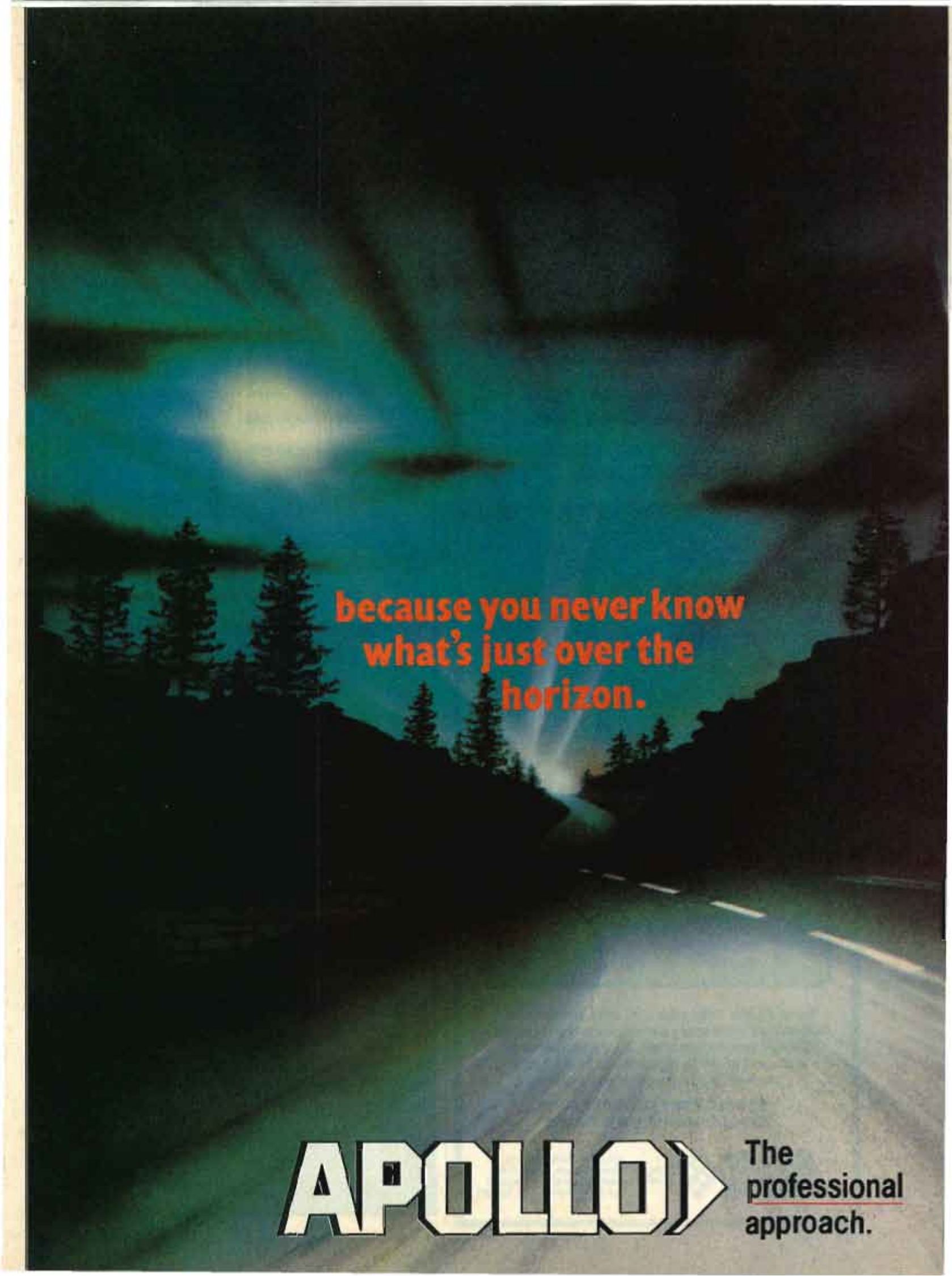
**30 — HANDS HELDS WALKIE TALKIE CHANNEL**

May be used for normal conversation, but avoid if possible as most cheaper walkie-talkies only have channels 14 and 30, so they have little choice.

**31 to 40 — NORMAL CONVERSATION**

Use as channel 1, although it is customary for channel 40 to be used for equipment testing.



A night scene of a road winding through a forest. The sky is dark with a bright, glowing light source, possibly the moon or a star, casting a beam of light down the road. The road is illuminated by a bright light source, possibly the moon or a star, casting a beam of light down the road. The road is illuminated by a bright light source, possibly the moon or a star, casting a beam of light down the road.

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what's just over the  
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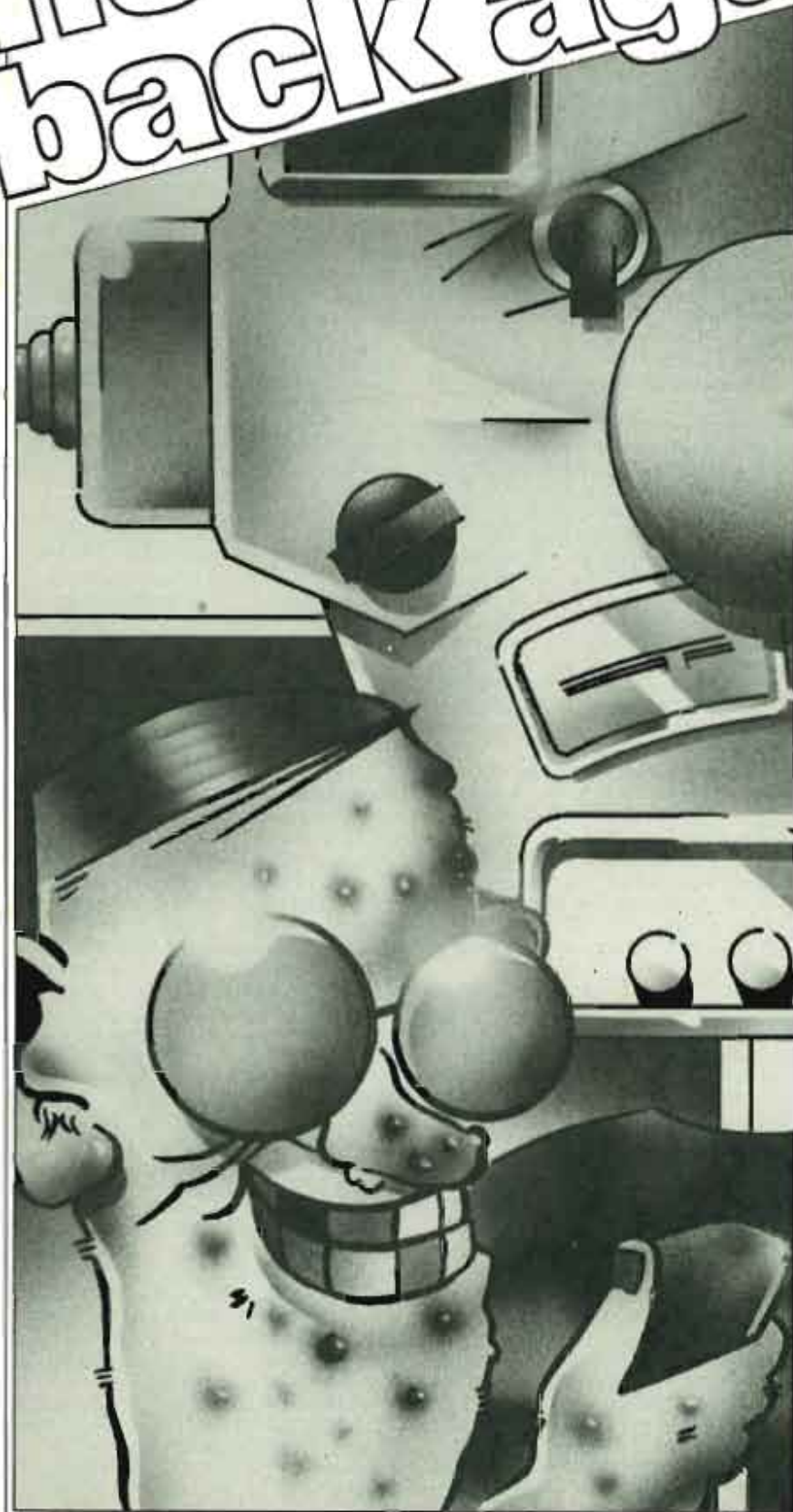
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# Wally no come back again . . .



To protect the innocent, as well as the guilty, I'll name no names in this dissertation. Probably everybody has one or two of the characters described below occupying some of the channels — maybe they'll even recognise themselves.

Our first character is The Hard-liner. Probably with a military or police background, he is well aware of the problems lack of firm discipline can cause, especially when connected with anyone other than himself. He is fed up to the back teeth with people messing about on the air. In fact, he's more than fed-up, he's bloody annoyed, except that he wouldn't say so because that would be bad language on the air, and he abhors that. In fact, the turkeys have become a personal crusade of his, to the extent that his major purpose in life is to track down and deal with all those anarchists and troublemakers who are spoiling his enjoyment. He would really like to deal with them himself, with various remedies ranging from pulling their fingernails out with red-hot pliers, stamping on them and their equipment from a great height, or strapping them to a chair and reading the complete set of 1981 Daily Telegraph editorials one after the other.

Usually, however, he is restrained from actual violence by his colleagues. His crusade has, however, given him a whole new lease of life, and the on-going car-parking dispute which used to take up most of his energy has been forgotten, much to the relief of his neighbours.

The next person is The Kid. His dad is not the sort to be caught doing anything quite so juvenile as talking into a microphone with people listening, but he thought it would be a good idea to get a CB rig for the kids. That way, he can have a go now and then when no-one's looking, and keep in with the wife who regards gadgets like this as rather frivolous. Anyway, junior now has this new toy.

To begin with, he doesn't know just how to use it, because his Dad is in no position to be able to tell him. After calling 'one-four for a copy' on channel 36 for three-quarters of an hour he eventually begins to find his way around. But he's young, and inclined to be silly, and does not appeal too much to the Hard-liner's overworked ears. He does, however, talk merrily to a number of his schoolmates, and he enjoys his new rig a good deal more than the mini-Space Invader game which was his father's previous educational indulgence.

Our next entrant onto the scene is The Enthusiast. He's so into CB you wonder what on earth he did before it came along. His car and his living quarters are packed with radio equipment. The car looks like a porcupine, while his rooftop is a source of wonder, amazement, and hostile moves

by the local residents' association. You can't see the wallpaper for QSL cards adorning the operating area. There are people in all continents whom he says he knows quite well. Talking to someone a mere 20 miles away is kid's stuff to him. He wants to talk to the world, and he's quite prepared to go to a lot of trouble, and spend a fair bit of money, doing just that.

Then we have The Business Man. CB is not the reason he bothers to get up in the morning — to him it's just a useful facility in its proper place. He drives quite a bit and finds it handy to pick up motoring information or casual conversation as he travels along. He doesn't really care whether his rig is AM, FM or stereo as long as it works. He's much too busy with other things to spend Saturdays with the SWR meter, or get deeply involved in the relative merits of one power mike against another.

Enter, stage left, The Bore. There's always one, sometimes more than one. His mike is keyed for what seems like hours on end while the same old monologues go on and on. He never uses a phrase he hasn't uttered a hundred times before, and when you find yourself in contact with him, you begin to wish for a telephone call, or a visitor, or for your rig to catch fire. Anything to escape without appearing to be rude. (The telephone excuse, incidentally, works efficiently. Also useful is the unexpected visitor, the running bath, or that old chestnut, the ten one-hundred.)

Finally, we have The Turkey. He actually enjoys annoying people. The more upset they are by his various activities, the more he chortles away in between pressing the button. Best of all are the types who put up a brave front ignoring him, and then finally break down into uncontrolled rage. To him, CB is a silly, trivial business and he wants to make sure everybody else realises this. He finds ordinary conversation on the air stilted and dull. He also finds it rather more trying than making silly noises or shouting abuse. Many turkeys, though by no means all, make less than striking conversationalists, particularly on the air. Their activities are usually memorable, nonetheless.

So there they are. Six different people, all with quite different attitudes to CB. For the hard-liner, it's a new outlet for his authoritarian impulses, to the kid it's an exciting new plaything, to the enthusiast it's a way of life. The business man uses it for purely practical purposes, while the bore gains a reluctant new audience. And then there's the turkey.

Since the expression 'turkey' is yet another American import into the language, and may not yet be readily understood, I will attempt a definition of the term as it is currently used. 'Turkey' is a term of abuse, suggesting a person of diminished intellectual capacity. Its origin is probably related to the alleged dim-wittedness of the bird of the same name, though what turkeys think of human behaviour has yet to be ascertained by modern science.

In practice, apart from jocular use, a turkey is someone who deliberately interrupts normal conversation, or who otherwise behaves in a manner which annoys or gains the disapproval of the person using the expression. Also, I

ought to make it clear, again mainly for the benefit of the reader who is not familiar with CB, the six stereotypes listed above are only a few of many characters, some likeable and some unbearable, who surface from time to time on the air. (Go on, get a rig and start modulating.)

Back to turkeys. There are clearly two types of individual who may be regarded as turkeys by the CB community — all turkeys annoy, but only some do it deliberately. How can you avoid annoying other people on the air inadvertently? The first point concerns tuning up. Although channel 40 (and to a lesser extent channel 1) is partly accepted as a channel for testing equipment on, this does not excuse you from checking to see whether it is occupied before you tune up an aerial or try any experiment or test. Remember that your rig transmits power whether or not you speak into the mike, and will effectively blot out communication on a channel for quite a long way. So, particularly if you are going to be testing on a frequency for some time, always call out (if your SWR is below 3) and ask if the channel is 10-6 (or busy, for the Plain English campaign).

The second point concerns kids mostly, but also a few adults as well. To many reserved Brits, talking freely to strangers doesn't come easily at the best of times. Faced with an equally intimidating technical experience at the same time, it's a wonder many breakers got on the air at all. It's unreasonable to expect anyone to be fluent in handling CB conversations the first time on the air, and it's particularly harrowing if you're on your own, or faced with an unnerving audience. Many breakers are prepared to help a newcomer through his or her first few contacts — either by providing guidance at the transmitting scene, or assisting sympathetically in the receiving side.

Unfortunately some people get their hands on a transmit button without, it seems, any training or guidance at all. This is not good for them, and it's not much fun to listen to either. Everybody who thinks that CB is worth taking seriously ought to try to make sure that friends or acquaintances have the help they need (even if they don't explicitly ask for it).

The third point concerns timid people confronted with hard-liners. Legally, you can transmit anything provided it could be termed 'plain speech' and not of an 'obscene or grossly offensive' nature. You can be offensive as long as you are not grossly offensive. You may find various know-alls criticising your mode of speech, or telling you what you can or can't say. Ignore them, as politely as you feel inclined to. There are, sadly, some people who get their kicks out of taking offence, just as there are those who get their kicks out of creating it. Do not be intimidated by these people — but use your common sense: the language and topics or conversation at four in the afternoon may reasonably be expected to differ from those at one in the morning.

So much for people mistaken for turkeys. What of the real thing? Apart from a general feeling that 'something needs to be done' there is no agreement or uniformity of opinion in discussions about the Turkey Problem. There is

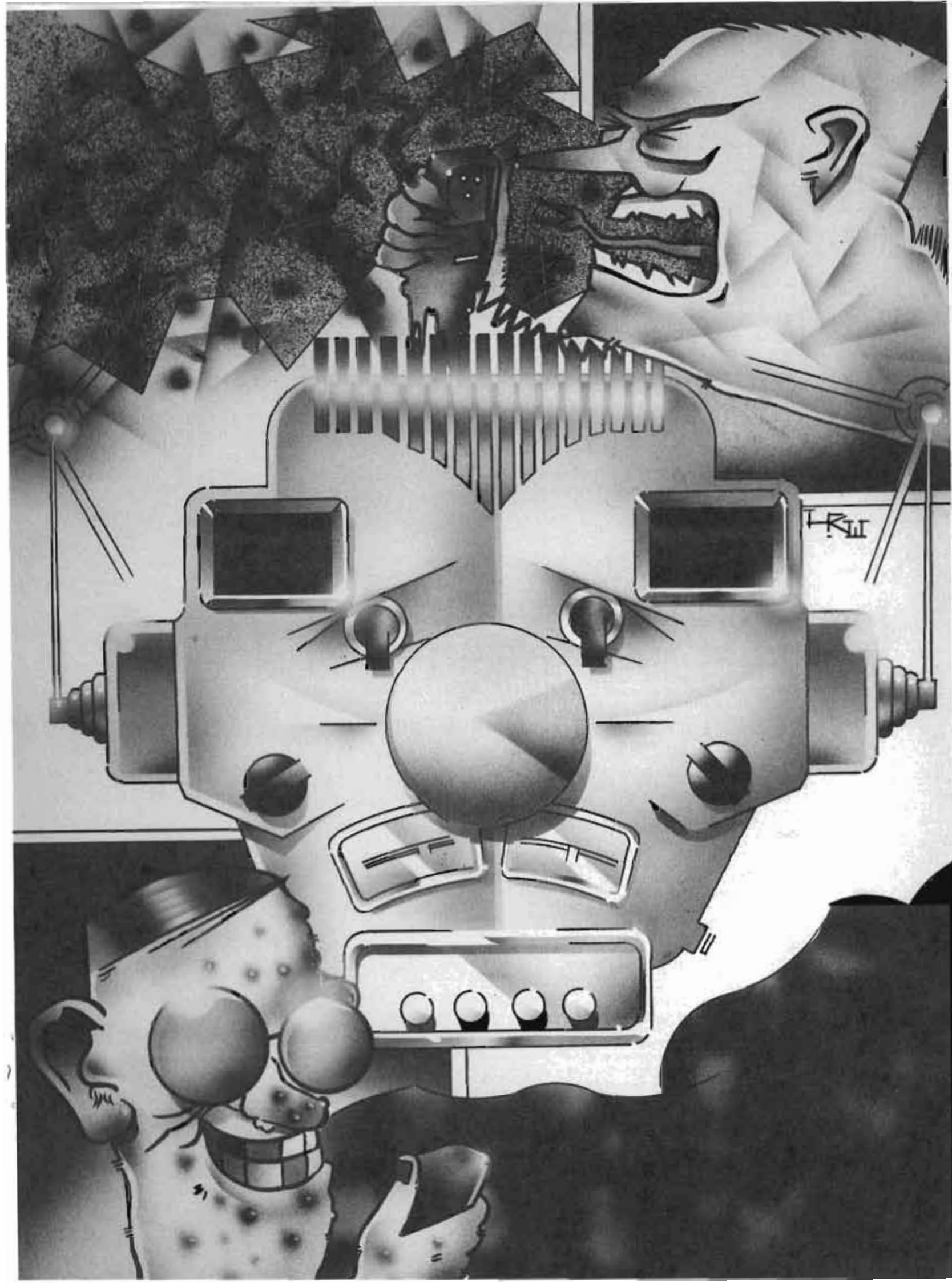
certainly no agreement at all about what can or should be done. Many people have suggested that since they are paying £10 for the CB licence, they ought to be getting something back from the Government in the form of some sort of pursuit of people who cause trouble on the air. Unfortunately, this is only wishful thinking. The sale of CB licences to date has raised something over a million pounds, but this is a sum which would cover the costs of only a very small number of prosecutions.

Remember that the authorities will intervene only if they are pressed to (being busy with all manner of other things as well). And if they are to take someone to court, skilled men must spend quite a lot of time amassing evidence which will satisfy a court of law as to someone's guilt. Lawyers are much better paid than engineers, and a turkey prosecution, even just for the sake of example, will take a lot of time and money. Even if breakers have carried out the initial direction-finding exercise themselves, none are as well equipped as the Post Office to do so, and their evidence would be unsatisfactory in the hands of any skilled barrister. So in general your funds are swallowed up by the Government machine in a means which, being designed by bureaucrats, does not yield its secrets easily. A lot probably goes on administration — it usually does.

The Government's attitude to CB was generally set out in the much-maligned 'Open Channel' document. Reading between the lines of this, it appears that Her Majesty's Government would license CB and let them get on with it, hoping and praying that nothing too drastic would happen, and that above all, the public would maintain its normal level of docility. It was made quite clear that a CB licence was no guarantee of any particular degree or range of communication — or, for that matter, any communication at all. You will remember that uppermost in many senior officials' minds at the time were the alleged abuses of CB in other countries. They were most concerned that if such things were to occur here, they should be able to wash their hands of the whole affair, possibly muttering a private 'I told you so' here and there. Now that CB abuses of various sorts are surfacing here, it is most unlikely that a Government which was never exactly keen on the idea in the first place will be particularly energetic about pursuing its more undesirable side effects.

As regards any activity by private individuals, the first priority should be always to be 101% sure of your facts before making accusations of any sort. Only an idiot would even contemplate action which was illegal or violent, since this would inevitably be counter-productive in more ways than one. This includes the wilful damage of any person's property, which is illegal whatever the circumstances. Even a simple accusation, could backfire appallingly if directed at the wrong person.

And then, you will change a person's attitude only by making friends. You may threaten him into submission, but this will not alter his basic ideas. And if you can't bear to befriend him, you're stuck with him — it takes all sorts.



# The Harvard lesson of all . . .

Not being familiar with their equipment, when I was asked to test two CBs from the Harvard stable, the 402MPA and the 420M, I quite honestly didn't know what to expect.

## Appearance and controls

The two sets are quite different from each other in appearance — the 420MPA having a black satin finish fascia panel and silver grey controls and the 420M fascia being dark grey with dark grey controls. Both sets have the familiar wrinkle black cases — the 402 being slightly smaller (7 $\frac{3}{4}$ "x6 $\frac{1}{4}$ "x2") than the 420 (8 $\frac{1}{2}$ "x7"x2 $\frac{1}{4}$ ").

The 402MPA is the more basic of the two with front panel rotary controls for volume/off, squelch and channel selector along with a CB/PA switch, green LED channel indicator and a largish white background 'S' meter. The 420 has additional rotary controls for tone, and RF gain, switches for channel 9 priority and a 10dB attenuator as well as the four pin mike socket (the 402 has the mike socket on left side of the case — nuff said).

The 'standard' rear panel connections were on both — for antenna, external speakers and PA. The 402MPA also has the 10dB attenuator on the back panel for some inexplicable reason, — although both sets have two pin power supply sockets these differ and should you wish to upgrade from the 402 to the 420 you will have to change the lead.

## Ease of operation

The green LED displays for the channel indicator are very pleasing to the eye and quite easily read. The 420M has a rather small meter which is recessed further back than the 402 meter and is extremely difficult to read from the normal driving position when the set is centre console mounted. The 402 rotary controls are nicely spaced and no problems were found in operating them. Not so the 420 though. I am beginning to feel that somehow I have the wrong size hands because the rotary controls are fairly cramped and I kept upsetting the other controls when operating them. The tone control was very effective, high tone being clockwise and low anti-clockwise.

Speaker clarity was found to be good on both sets — the 420 having the edge due to the tone facility. A nice touch with the 402 was the 'S' meter illumination light which changed to red when transmitting. The dynamic microphones differed slightly in appearance but both operated satisfactorily.

## Performance

Both sets conformed to the Home Office MPT1320 specifications and 'bleed over' was only encountered in close proximity to another transmitting rig (at around 300 yards). Range of transmission and



Harvard's to of the range 420M



Front panel of the well appointed 420M



Rear panel of the 420M



Harvard's budget mobile, the 402 MPA



Front panel of the 402 MPA



Rear panel of the 402 MPA

reception was comparable with the sets we have tested so far, and was around three to five miles in town and eight to ten miles in open country. This range was greatly increased when the airwaves quietened down after midnight and several 30 mile plus copies were obtained.

### Instructions

The instruction booklet is concise and to the point but was found to contain a rather misleading paragraph on legal antennas. This is no doubt due to the fact that the Home Office final specifications differed from the original MPT1320 in as much as only base loaded antennas are allowed for use with the UK FM sets.

The instructions in the Harvard booklet state, and I quote:

'Loaded and helical type quarter wave antennas are most popular because they require less space and are easily installed. These antenna types are physically shorter but electrically equal to a full quarter wave antennas which are illegal to use in the UK.'

Centre loaded and helical antennas are illegal to use with the UK FM system. Once again no mention is made that commercially available CB SWR meters usually will not operate correctly when the signal has been attenuated by -10dB. The section devoted to CB slang is felt to be superfluous as most words in the list are not used in this country.

### Summary

The Harvard 402MPA was (with the exception of the side mounted mike plug — my pet hate) a pleasure to use and on a par with most of the basic sets we have tested. The 420M was felt to be too cramped on the front panel and the meter recessed too far back. The green LED channel indicator was very pleasing to the eye although liable to 'wash out' — a normal problem in bright light.

# Harvard

## Model Type:

Harvard 402 MPA and 420 M

## Supplier/Distributor:

Harris Overseas Ltd, Harvard House, 14-16 Thames Road, Barking, Essex.  
On sale through specialist CB shops and major chain stores.

## Specifications:

	TYPE OF SET	NO. OF CHANNELS	SQUELCH	TOONE	RF GAIN	MIKE GAIN	PA	ROGER BLEEP	NOISE BLANKER	AUTOMATIC NOISE LIMITER	PA LIGHT	RX LIGHT	TX LIGHT	SIGNAL METER	POWER METER	DISTANT/LOCAL	CHANNEL 9 SWITCH	DIMMER	ATTENUATOR
402 MPA	M	40	●										●	●	●				●
420 M	M	40	●	●	●		●							●	●		●		●

M: MOBILE H: HANDSET B: BASE STATION

## Findings:

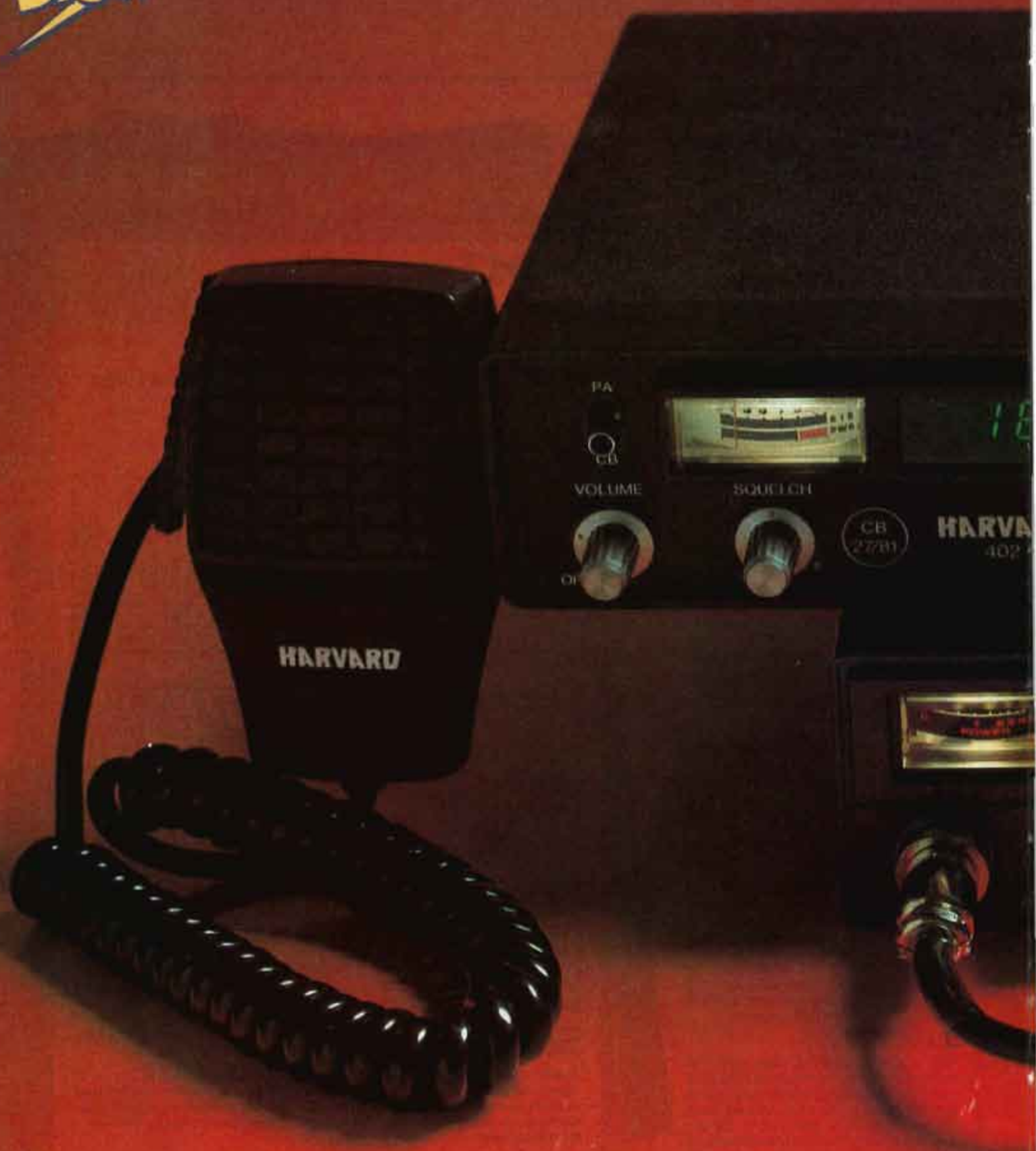
	402 MPA					420 M				
	1	2	3	4	5	1	2	3	4	5
Overall appearance			●					●		
Performance			●					●		
Mike — performance			●					●		
Mike — plug position						●				●
Controls — facilities			●							●
Controls — ease of use							●		●	
Controls — sensitivity				●						●
Meter readability				●				●		
Speaker clarity				●						●
Instructions			●					●		

Key: 1-poor, 2-fair, 3-average, 4-good, 5-excellent

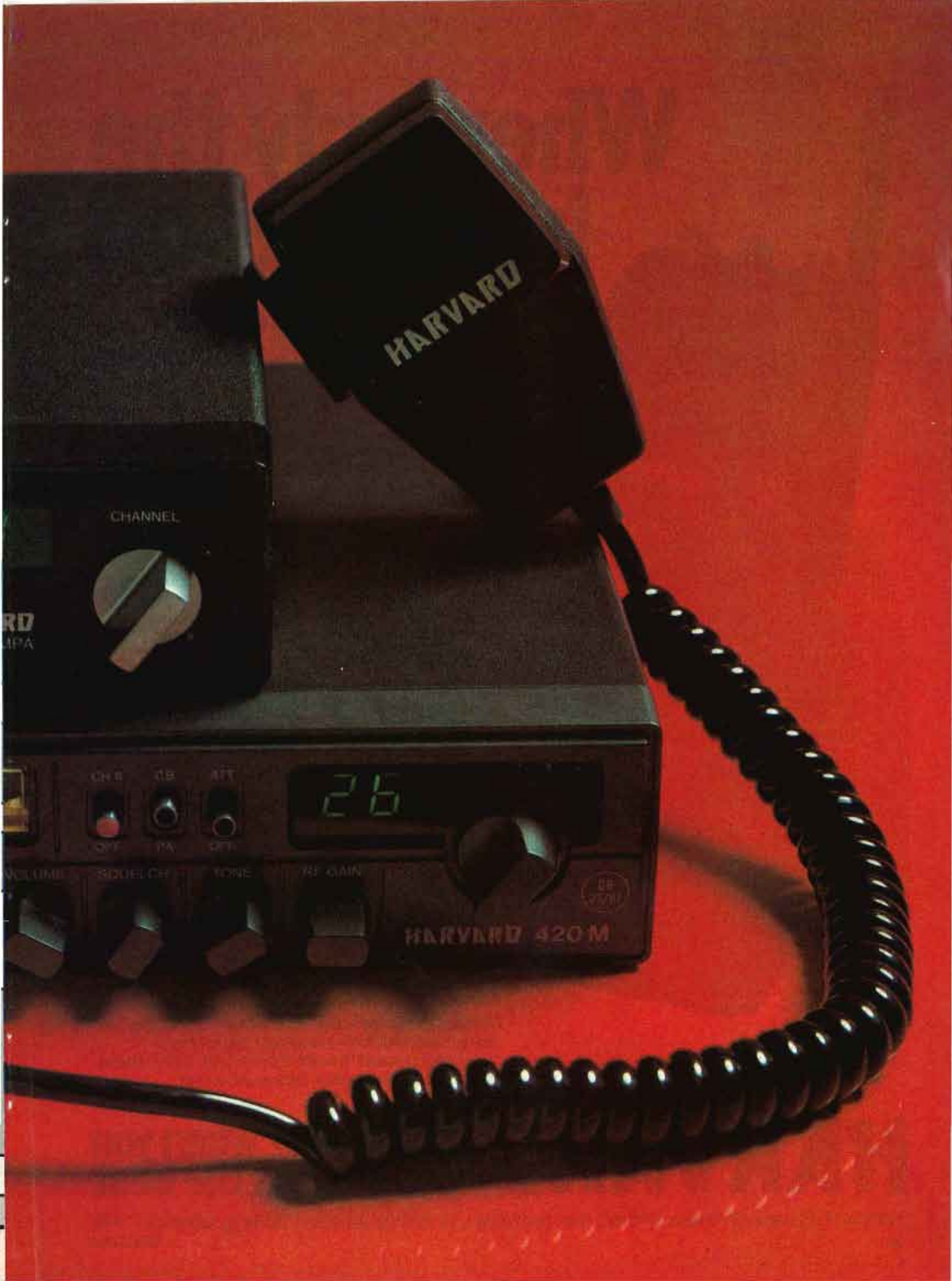
## Summary:

At £70 the 402 MPA represents a good value set which is both well appointed for the price and easy to use. The 420 M is in another market area at £100, and while it failed to please as much as the cheaper rig, a glance at the findings chart shows it performed well in most departments. Not a set to be dismissed.

**BREAKER**







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420M

CH B

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VOLUME

SQUELCH

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50  
VOLT

HARVARD 420M

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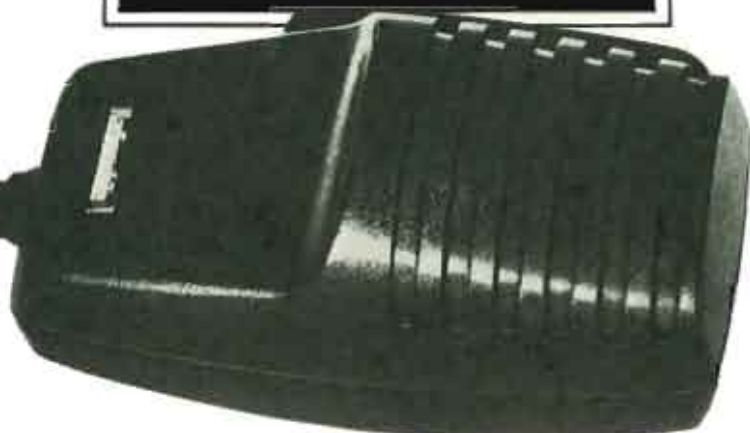
They'll probably mention the squelch tone, the RF gain and LED channel read out. And they may go on about the 4 digit LED S/RF power meter and the transmit, receive and power-on indicators all with dimmer control.

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BR5

# Dxer's midnight runners

This is just like the old days. Last month we said we didn't 'encourage or condone' illegal community radio and this month we're saying we don't encourage or condone the use of illegal sideband. Takes me back, I can tell you. Just what constitutes encouraging or condoning illegal practices is something we're not too sure about but even if we told you it makes you go blind and grow second heads it wouldn't stop you, so it all seems a bit academic. There must have been millions of crime books, plays, films and TV programmes written, but it's never suggested they induce people to pull their wives' stockings over their heads and blag the local post office. Still, for the benefit of those who want to see it, we hereby state that unlicensed sideband is totally despicable and anti-social and very illegal and we wouldn't suggest that you partake in said practices if our lives depended on it. In fact, it's so awful we can barely bring ourselves to type it and we've all been issued with protective gloves to ensure we don't soil our persons with this vile and heinous crime. UGH! It's disgusting... It'll poison humanity... we'll all go green and smell a lot... we'll rape our mothers and eat our newborn children... we'll...

OTT Disclaimers Inc.

If it's so ghastly, then why do a feature on it, we hear you ask — or will do in a couple of weeks or so because this hasn't been printed yet and the Ever Cuddly Claire, our resident critic, is the only other human to have read it. The reason we are looking at sideband is that there are thousands of operators there, investing thousands of pounds in equipment and taking the whole thing a lot more seriously than most of us take conventional CB. Although using sideband is illegal in the UK, as it is in most countries with legal CB, the majority of operators using it have a professional approach and a responsible attitude to radio. Of course, some people would disagree with this, several thousand licensed amateur radio hams to name but an army, but legal FM users can learn a lot from the sidebanders' professional attitude to radio.

There is also the argument that use of an illegal system could bring about a rethink of the law applying to broadcasting, which was at least partly true in the case of CB. This theory smacks of anarchy and other disruptive forces but it has worked before...

Many sidebanders claim they are prepared to take an exam in order to use the frequency and equipment, but they don't want to get involved in the elaborate examination machinery of ham radio. Maybe the time is ripe for another look at

ham regs to allow some operation on sideband — as a sort of licensed addition to the existing CB system — but it seems unlikely that this will come about as a result of the illegal use of the service. Although the use of sideband is growing, there are nowhere near the number of people involved as were using AM, so the keep-using-it-and-we'll-force-their-hand argument doesn't really apply.

Having said that sidebanders are responsible, take-home-for-tea-with-your-mum-types, we should look at a few areas of operation that do add fuel to the anti-sidebanders' case.

The first is purely and simply its illegality. The fact that you feel you're striking a blow for freedom of speech and international relations doesn't stand up too well in court.

Secondly, some frequencies used by sidebanders clash with the legal FM system introduced by the Home Office. Now this could have been a deliberate move, which means either it was very clever or very foolish, depending on your attitude. By setting aside the frequencies 27.60125 to 27.99125, the authorities have ensured sidebanders have become enemies of the people. Or at least those who use the FM service. The high channels, which run on from the FCC AM service, walk all over the FM service with channels 63/64 clashing neatly with channel 9 and channels 67/68 colliding with channel 14. Not surprisingly, this is not very popular with those who have paid £10 for a licence to use a legal service. This ensures that none of them get too involved with sideband — or at least not enough to drift into it. But this conflict can materialise in a more destructive form of hostility and while both the illegal and legal services are growing — and they seem to be now — the chance of ugly scenes becomes more likely by the day. We should point out that much of the interference comes from overseas.

CB radio is for local communication and was not designed for long-distance contacts, or DXing, but it is being used for that purpose regardless and it would be foolish to ignore it. Some are going one step further and buying amateur radio equipment and operating as unlicensed hams and, ironically, many are drifting into ham radio from illegal sideband operation.

This feature is intended as an introduction to sideband and if you even consider taking it up, we will have to bar you from ever buying another copy of Breaker. We can be no part of this evil. We all know talk can cost lives... they told us in 1939.

References to sideband seem to creep into Breaker every month, for one reason or another, so at least you'll know the basics of what we're talking about by the time we reach the end of this feature. We'll start with what sideband is and how it works. To understand the principles of

sideband, you need to understand the basics of AM and FM, and anyway it's useful to know what's happening to the airwaves when you're bellowing for a 10.36, so that's where we'll start.

When you press the PTT switch on your mike — whether you're on AM or FM — your transceiver will transmit an unmodulated radio wave, which is known as the carrier. It's only when you speak into the mike that we find out if you're on good, decent, clean-living FM or nasty old slutty AM.

The FM radio strength always stays the same and it's the frequency of the wave that changes when it is modulated. The higher the tone of your voice, the more the carrier swings into the adjacent frequency space. If, when you modulate, the frequency never varies but the strength or amplitude of the carrier changes, you have produced amplitude modulation (AM), but don't bother rushing down to the patent office, it was discovered years ago. The louder you speak, the greater the variation of the carrier — and the louder the signal received.

Given then that the carrier is silent, the only bits that really interest you, and satisfy that driving lust to communicate with your fellow man, are the two sidebands — the bits either side of the carrier. The sidebands are mirror images (upper and lower), so by filtering out the upper, in the case of lower, or the lower, in the case of upper, only half of the audio signal is sent, which gives a more powerful signal. SSB has more than twice the range of AM — hence its appeal and illegality.

With AM and FM, the strength of the carrier determines the output power in watts, but with sideband, because there is no carrier signal, the output power is measured when the signal peaks at its maximum — this is referred to as peak envelopes power or PEP.

Words-to-drop-into-any-conversation-about-CB-to-make-it-sound-like-you-know-what-you're-talking-about. Part 274. Skip. Come across that down the local, huh?

Skip is simply a phenomena which allows radio waves to travel long distances by bouncing them off layers in the ionosphere which have been electrically charged by the sun. Although skip is possible on AM and FM, SSB is best suited because of its greater range. We'll be looking at this in more detail in a future issue, so we won't go into too much detail, but suffice to say here that it doesn't always happen because this ionization of the ionosphere occurs during high sunspot activity and is more prevalent in autumn, winter and spring.

To the sets themselves. The fact that they are capable of transmitting 'half a signal', and duplicating the incoming signal to produce coherent speech, makes sideband rigs more expensive.

The fact that they are very illegal doesn't help either and they're usually around twice the cost of straight 40-channel sets.

Externally, they don't differ too much — just a little bigger maybe — but there are a few features which are important for SSB operation. Some more familiar to FM breakers than others:

**Mike gain.** This controls the strength of your modulation and is set up by starting with a 'half way' setting and then making slight adjustments until the station you're talking to says the signal is distorting or breaking up.

**RF Gain.** This controls the radio frequency (RF) volume in the receiver amplifier. For DXing, it is run full up.

**Mode selector.** You obviously don't need a mode selector unless you've got more than one mode to select — and that means illegalsville. If you've got AM, FM, and/or SSB, this determines which has the honour of carrying your hallowed tones.

**Band selector.** This is usually low-mid-high, with the FCC 40 channels on the 'mid' setting giving you another 40 channels each side of the usual 40. Some sets also have high-high, which take up where high leaves off and low-low, which . . . Don't need to, do we?

**Delta tune, clarifier or fine tune.** This has appeared on a few FM rigs but it originates from SSB, where it is used to fine-tune the frequency and optimise the 'readability' of incoming signals.

**Kc shift or coarse tune.** Similar to the aforementioned delta tune, but provides more adjustment — up or down 5kHz or more. Works on transmit and receive.

The rest of the controls should be familiar to you from FM. If you're venturing into this world of international illegality, we would probably suggest listening in first, if that didn't encourage anyone to do anything at all, since it might, we won't. But if we did, you'd need an antenna, right. Read on, you curious creature.

Most DXers start with a normal omni-directional antenna, which — like your conventional FM antenna — radiates in all directions and is easy to use. If they're running mobile (actually DXing while you're driving is something we wouldn't encourage even if it was legal) something like a K40 does the job but for the more ambitious, the sky — or a passing aircraft — is the limit. Half wave dipoles, omni-directional beams . . . DXers are serious about their hobby and thousands of pounds can be invested in equipment. There's little point in providing a catalogue of illegal antennas because it would take pages and would only appeal to a minority. But if you want an elaborate antenna, visit your local CB store and they should be able to help. Buying and installing the equipment isn't illegal, incidentally, only operation. And needless to say, that sort of antenna will need careful installation — your neighbours are probably quite proud of their greenhouse.

Now we get the most controversial area of all — the linear amplifier. It is possible to DX without an amplifier — or burner — and their use is really not advisable unless you live out in the wilds, miles away from other homes. And TVs. The main problem with burners is that they amplify any interference along with the signal, so if you're causing TVI on 12 watts of sideband, you'll wipe out the whole street on 100 watts. It also blots out the channel for miles around making it unavailable for anyone else, so if you must use extra power and (we really don't encourage this) keep well away from the FM channels and only transmit at night, if possible, when things are quiet.

We will, as we mentioned, be looking again at sideband, DXing and legitimate amateur radio again in the future but maybe this will serve as some insight into the breakers that come out at night.

**Next month: Skip — what it is and how it's used.**

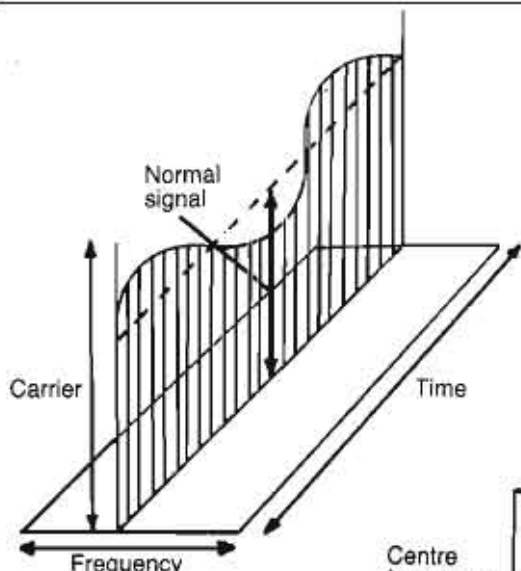


Fig. 1. Amplitude modulation (AM)

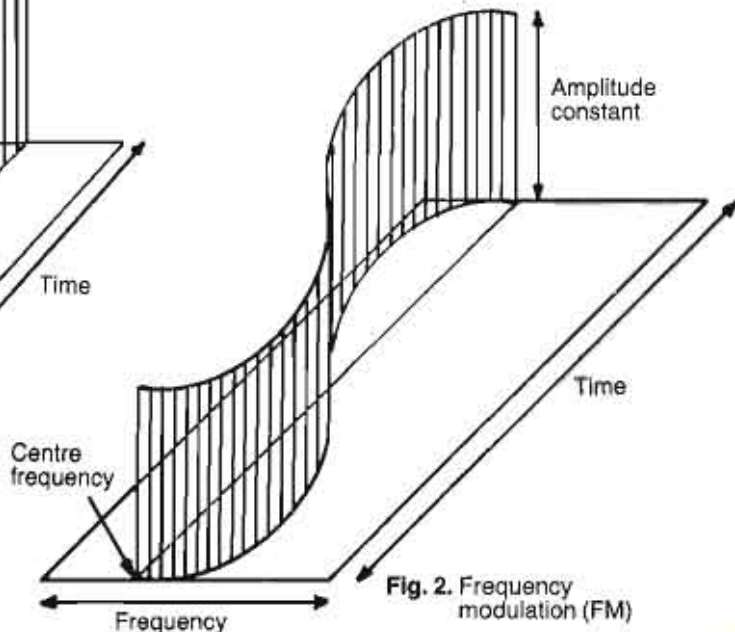
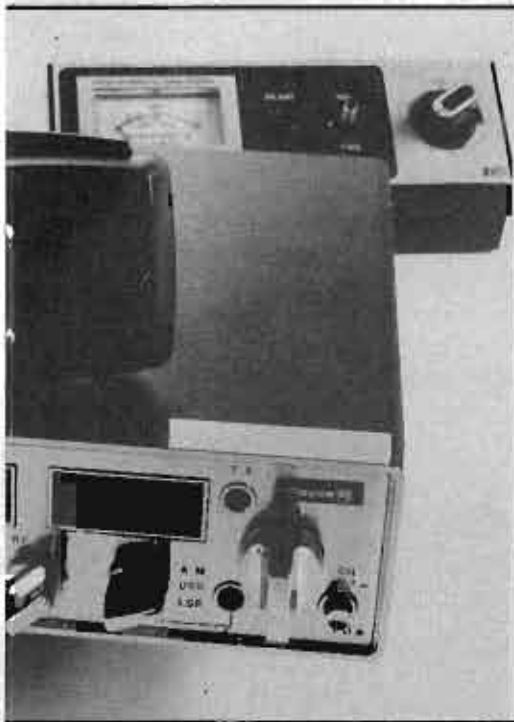


Fig. 2. Frequency modulation (FM)



Above: Not so much the big brother of the Colt 295, this must be its grandfather. The Colt 485 DX Black Shadow SSB has AM, upper and lower sideband with high and low channels, giving a grand total of 240. As well as refinements like PA and a noise blander, the 485 has a clarifier which is of real use with an SSB set. The cost, if you could find one, would be around £150.

Left: Royce are better known in America, and like the rest of these sets it has a range of 80 channels (high and low) over three wavebands to give 240. It also has morse (CW), SWR, automatic noise limiting and noise blanking. Cost? Around £180.



Far left: Belcom's LS-102L is on sale in the UK for use by amateur radio operators on 28 and 29MHz but is, like other similar equipment, being bought by breakers who are modifying it to operate anywhere between 26 and 27MHz.



Centre: Variations on a theme. The President McKinley offers you 320 channels in a smaller box than the Adams, but then it doesn't have built-in SWR. The extra channels come from adding FM to the AM U/LSB available on the other sets.

Right: A very well equipped set is the President Adams, which in addition to the 240 channels has channel scan and SNR. For around £180 this very illegal set offers enormous range and, surprisingly, takes up little more space than a large straight 40 set.

Amplitude

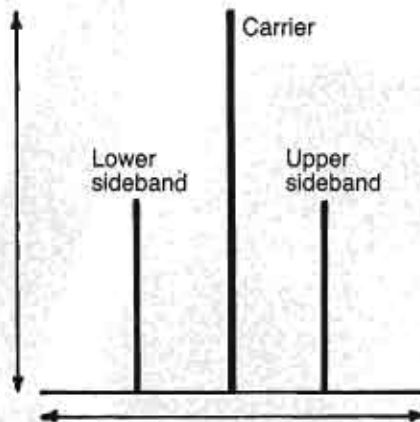


Fig. 3. Sidebands in relation to carrier

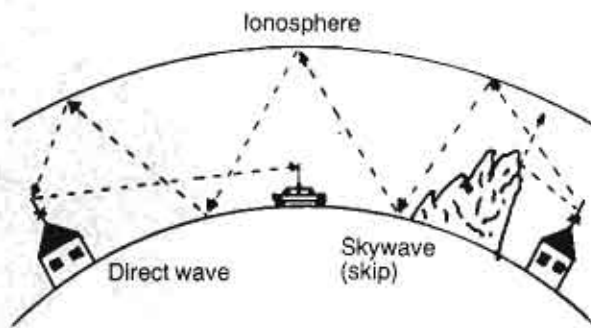
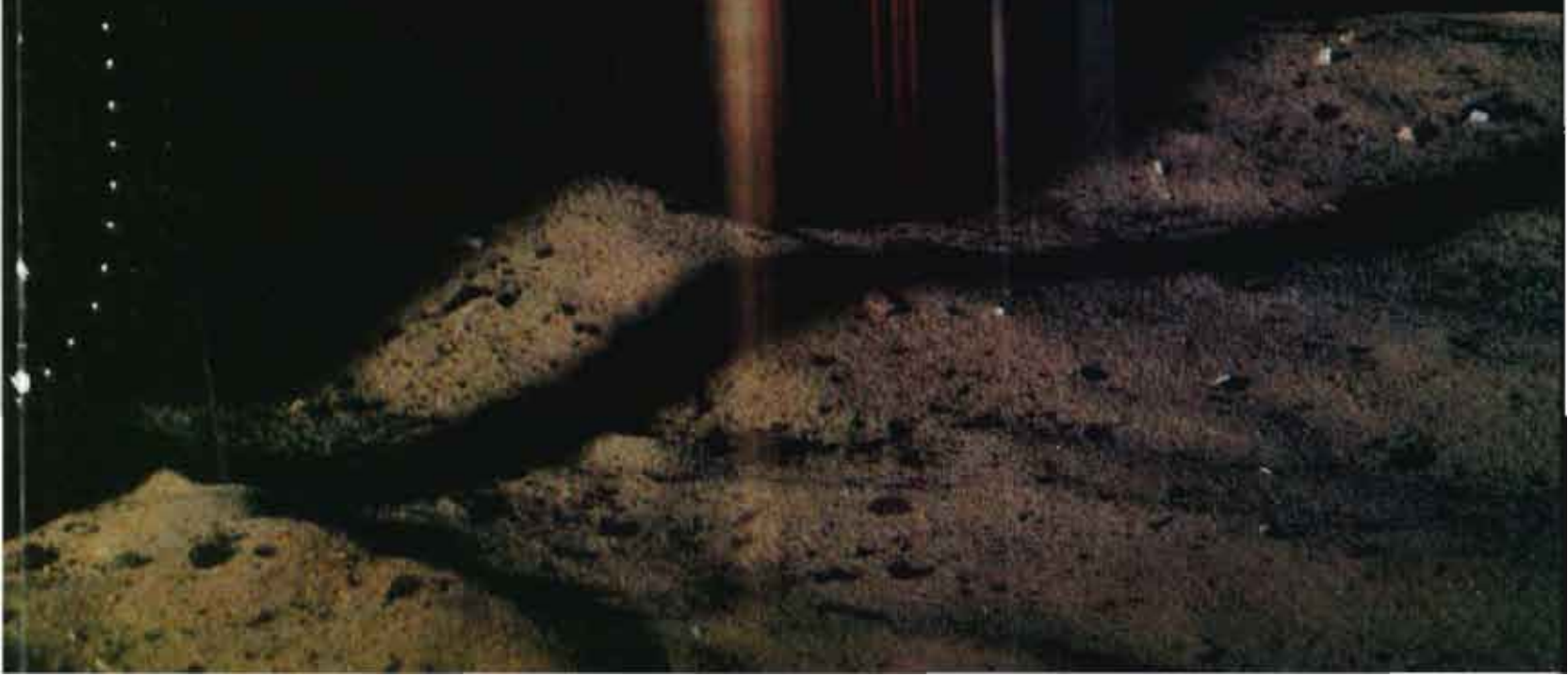
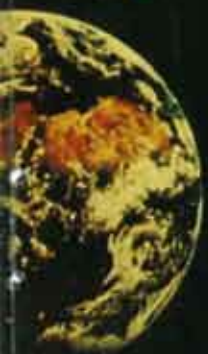


Fig. 4. CB Radio waves showing skip condition



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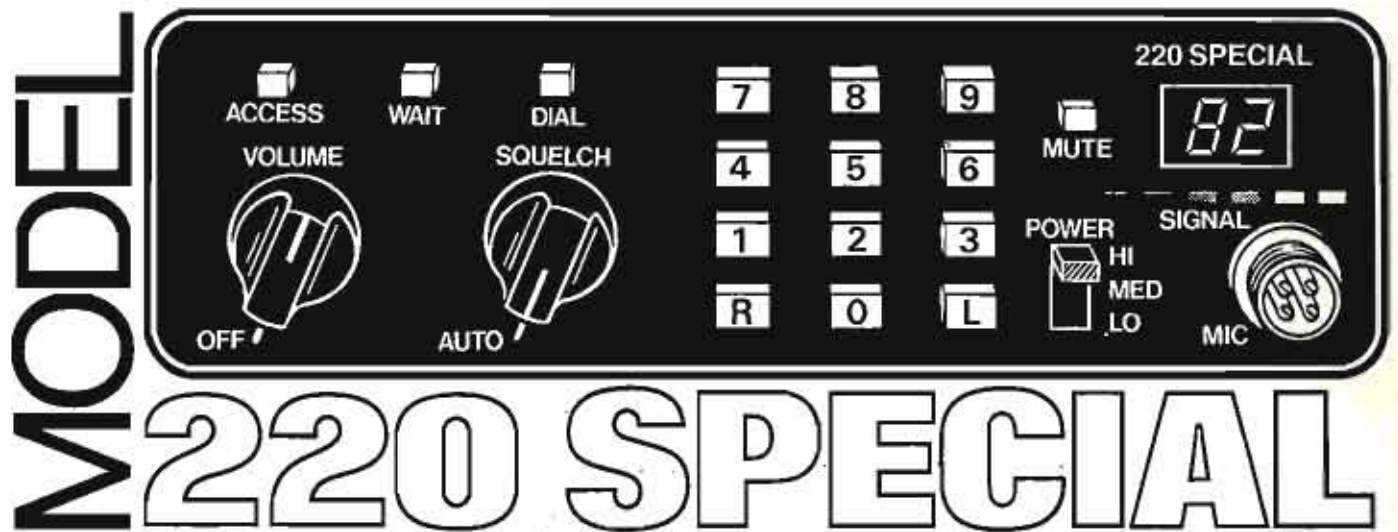
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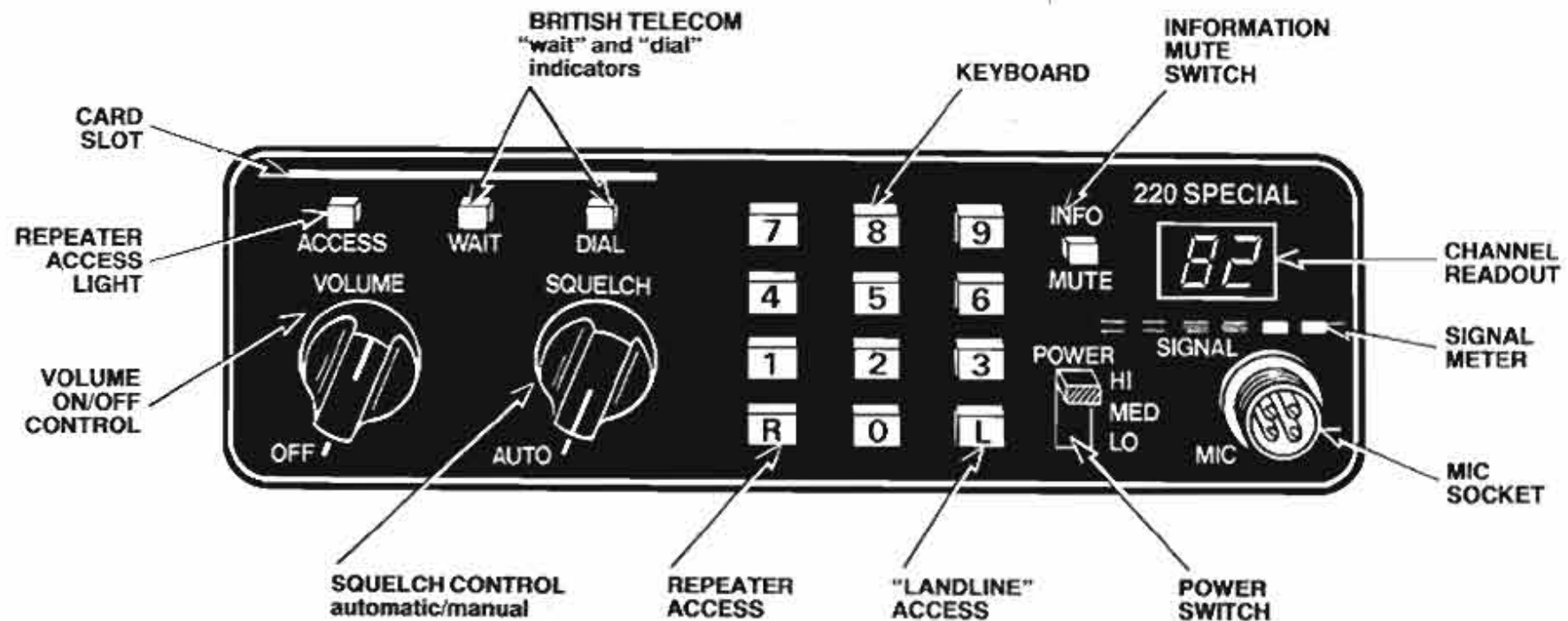
# Instruction Manual

## 99-Channel VHF Citizens' Band Radio Transceiver



This rig does not exist but a service along these lines is possible and would work. We have the technology.

## Controls and Functions



## Technical Specifications

<b>Modulation:</b>	FM
<b>Channel spacing:</b>	12.5 kHz
<b>Frequency band:</b>	UK 220 MHz (to MPT 1982). Frequencies around this mark are assigned to the VHF CB service in the UK.
<b>Power output:</b>	High: 5W Med: 0.5W Low: 50mW

<b>Frequency stability:</b>	$\pm 1$ kHz
<b>Sensitivity:</b>	Better than 1 $\mu$ V for 20dB quieting
<b>Adjacent channel rejection:</b>	Better than 70db
<b>Spurious emissions:</b>	Third harmonic — less than 5nW Others — less than 25nW

# Instructions

Unpack your '220 Special' carefully, saving the packing should it be necessary to transport it, or return it for repair at any time. The red and black leads should be connected to a 12V (maximum 15V) DC supply. Either a car battery or a mains power pack (which is available as an optional extra), will be suitable.

## Aerial

The new specification (MPT 1982) permits you to use any form of aerial, provided that the gain does not exceed 10dB in any direction. You can, therefore, choose from a wide range of directional or omnidirectional antennas, depending on the purposes you require. A suitable aerial for the 220 MHz band used by your rig can be obtained from your local dealer. Existing 27 or 934 MHz aeriels are not suitable. The transceiver will not function unless it is connected to a suitable aerial, although no damage will occur as it has built-in SWR protection.

## Switching on

Turn the volume control clockwise to turn the transceiver on, anti-clockwise to turn it off. When power is first applied to the rig, it will be tuned to channel 50, which is the general purpose calling channel. Other channels may be in use for special purposes in your area. These will be described later.

## Squelch

When the squelch control is turned fully anti-clockwise until it clicks, the squelch will adjust itself automatically to eliminate all but the strongest signal on any particular channel. In certain circumstances, when you wish to talk to a network of strong and weak stations, you need to use manual squelch. Simply turn the squelch control clockwise until background noise is eliminated, but weak stations can still be heard.

## Microphone

The microphone plugs into the socket provided on the front panel. Up/down channel change is available on the microphone itself for ease of use while driving. The PTT switch can also be arranged to operate automatically when you speak into the microphone — this can be particularly useful for disabled operators. Further information can be found in the instruction leaflet with the microphone.

## Keyboard

The keyboard will probably be unfamiliar to you, if you have not used 220 MHz equipment before. Instead of a

conventional rotary channel-change control a keyboard is used to select the channels. This is very easy to use. The simplex channels (ie those where you transmit directly from one transceiver to another) are numbered 10 to 99. To use any channel, simply key in the number of the channel you wish to use. For example, to use channel 23, simply press the button marked '2' followed by the button marked '3' and then momentarily press the PTT switch on the microphone. The channel readout on the right will show '23'. If you key in the wrong number by mistake, press the '0' button to clear the entry and try again.

Channels 10-89 inclusive are available for general use, with 50 designated as the general purpose calling channel. Your rig will not transmit, only receive, on channels 90-94 inclusive, as these channels are reserved for use by the AA, the RAC and the police and emergency services in order to warn motorists and others of hazards or road congestion. Under normal circumstances your transceiver will automatically scan these channels and relay any advice, warnings or messages which may be transmitted from stations in range.

All messages will be relayed if the transceiver is not receiving any other signals it has been set. However, if the transceiver is in use, your conversation will only be interrupted by the most urgent information. If you do not wish to make use of this facility you can turn it off by pressing the 'into mute' switch to the left of the channel readout.

Channel 99 is the emergency calling channel, while channels 95-98 are reserved for 'emergency working'. If you have a genuine emergency, you should be able to summon assistance on channel 99. The emergency operator who answers will then ask you to move to one of the other emergency channels, so that the calling channel is kept free for any other traffic.

## Repeater function

The United Kingdom is gradually being covered by a network of CB repeaters, and your '220 Special' has facilities to link in to any repeater station which may be in range. However, in order to use the repeater network you must obtain a special magnetic card from your local repeater organisation. This has a special identifying code, which enables your transmission to be identified if it is causing interference to the proper operation of the repeater network.

Repeaters use one of ten different channels, in order to avoid mutual interference. A list of repeater locations, and their coverage areas, will be given to you when you buy your card. The money raised by the sale of the cards goes towards the upkeep of the repeater stations.

The stations are located on high hills or buildings, and serve to increase the range of your transmission considerably. They pick up signals using a sensitive ▶

receiver, and retransmit them on a different frequency using a powerful transmitter with a range typically of around 30 to 40 miles around. The receiver has a similar range. So, generally speaking, if you can hear a repeater, you can use it. Sometimes you will be able to hear more than one.

## Using repeaters

To use a repeater, proceed as follows:

- 1 Insert your repeater card into the slot at the top left-hand corner of the rig.
- 2 Select the channel (R0-R9) appropriate to the repeater you wish to use. Press the button 'R' followed by the channel number you require.

You may hear conversation already on the repeater, in which case you will have to wait for a break. The repeater requires a break in the incoming transmissions at least once every forty seconds, so you should not have to wait very long. Transmit your message in the usual way, and then wait for your reply.

If you do not hear anything, it is possible that the repeater is available, but not in use. Press the PTT switch on the microphone briefly. This will transmit your identifying code to the repeater automatically. If you are in range, the green access light will come on (just below the card slot on the left), indicating that the repeater is working for you. Go ahead with your message.

Because the repeaters are shared by many users, it is courteous not to use them for longer than is strictly necessary, or when you can copy the other station directly, without using the repeater. To find out whether this is possible, press and hold down the '0' button briefly, while you are listening to the repeater. This enables you to listen to the repeater's input (receiver) frequency. Normally you would be listening to its transmitter (output) frequency. If you can still hear the other breaker clearly, you should move to a conventional simplex channel (numbers 10-89) to leave the repeater clear for others.

## Telephone calls

You can obtain a card similar to the one used for repeater access from British Telecom, which will enable you to make telephone calls from your car or home in areas where the CB-phone network is in operation. To make a call, proceed as follows:

- 1 Insert the card into the slot at the top left-hand corner of the rig.
- 2 Select the channel (L0-L9) for the call centre you wish to use, pressing the button 'L' followed by the channel number you require. A list of channel numbers for various local areas can be supplied on request by British Telecom. If you are in range of more than one call centre, you should use the one nearest to the exchange you require to call — unless, of course, it is a

long-distance call, in which case use any call centre. You will be charged for the call at a rate depending on the distance between the car centre and the change you are dialling.

3 Press the PTT switch on the microphone momentarily. If you are in range of the call centre in question, either the red 'wait' or green 'dial' light will come on. These indicators are just beneath the car slot on the left-hand side.

The wait indication means that the call centre is busy, but your request has been noted by the call centre, and as soon as it is free it will 'call you back'. Simply wait until the green 'dial' light comes on, whereupon you will hear the conventional dialling tone on the loud-speaker.

If you do not dial your number within twelve seconds of getting the dial tone, the call centre will assume that you have gone away and you will have to wait your turn again, so dial the number promptly on the keyboard as soon as you hear the tone. Simply press the keyboard buttons for the number you want.

If your call is not answered within a minute, the call centre will ring off automatically. The amount of time you are allowed on a call is controlled by the call centre automatically, and the more people who are waiting to make a call, the shorter the duration of each conversation, down to a minimum of one minute.

Calls which you make using your Buzbycard will appear on your telephone bill in due course. Note that you will not hear anything at all while you are waiting for your call — this is to provide a measure of privacy. You will also find that people who are unaccustomed to receiving calls from a radiophone may be slightly confused by the one-way-at-a-time nature of the contact. It may be useful to let them know what is happening, and to say 'over' at the end of each transmission to ease communication.

## Channel use

The following channel uses, although having no legal force, are widely respected:

Channels 10-19 are used primarily by hand-held stations.

Channels 80-89 are used primarily by base-station networks.

Channel 22 is the junior breakers' channel — also 20, 21 and 23 in many areas.

Channel 40 is the truckers' calling channel.

Channel 60 is the DX calling channel.

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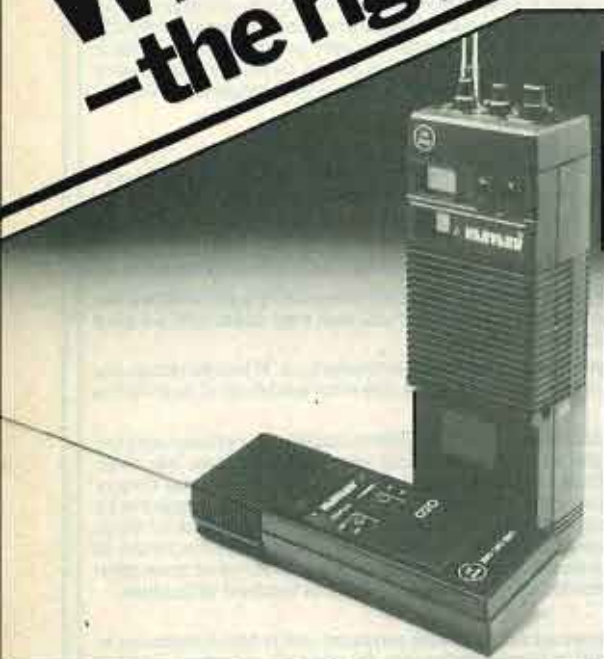
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# Which CB? —the rig guide



Every great movement has its literary works to back it up. Powerful political theories, major works of religious thought and philosophical argument have moved mountains in the past. The pen is mightier than the sword. Christianity has the bible, communism has Das Kapital, China has the Little Red Book, and CBers have the Breaker Which CB guide.

Where else can you find such a comprehensive collection of rigs, such an accurate selection of their features and such an up to date list of prices? Where else can you read driveline like this? Nowhere but Breaker, and just like home, there's no place quite like it.

A quick look through the guide and you'll notice a number of the entries have changed. This is partly because we like to keep the prices and specifications as up to date as possible, and partly because the Ever Cuddly Claire spilt coffee over the original. You'll find that the prices we've listed might differ from the prices you find in your High Street; the main reason being that ours are recommended retail prices where possible and approximate selling prices when an RRP isn't available, but with more and more sets coming onto the market, prices generally are being forced downwards.

You'll also notice additions to the Harvard range, which seems to be one of the most comprehensive these days. New sets include a mobile, a handheld and a base station all at reasonable prices. Again check locally for the best price.

A quick run through, then, of the terms and abbreviations used in the guide. Yes, we know you clever dicks out there have it all offpat (nice girl!) but there are a lot of people who don't know much about CB but would like to find out more. This is their explanation.

Type of set. Easy this, H is for handheld, M is for mobile and B is for base station. Squelch, RF gain, tone etc are all self explanatory, then comes PA — public address. Next is NB — noise blanker, ANL — automatic noise limiter and then come the warning lights. PA we've done, Rx is for receive and Tx is for transmit. The rest are all in English (more or less) so we'll leave them out. All fairly straight forward, wouldn't you say? Good. Next month you can explain it.

BRAND NAME	COMPANY NAME AND ADDRESS
AMSTRAD	1-7 GARMAN ROAD, LONDON N17
BARRACUDA	ALL HALFORD STORES
BINATONE	BERESFORD AVENUE, WEMBLEY, MIDDX
COBRA	MURA, 295/297 HIGH RD, WILLESDEN, LONDON NW10
COLT	SHELL POST LTD, 183 THE ROCK, BURY, LANCs
COMMTRON	TURMANN MODEL S, UNIT 2, GOVERNMENT INDUSTRIAL ESTATE, UNION MILLS, ISLE OF MAN
CYBERNET	GOODMANS LOUDSPEAKERS LTD, DOWNLEY ROAD HAVANT, HANTS
DNT	RADIOTECHNICS LTD, GROVE VIEW, BEL ROYAL ST LAWRENCE, JERSEY
FIDELITY	VICTORIA ROAD, N. ACTON, LONDON
GRANDSTAND	ADAM IMPORTS, LIVESEY ST. SHEFFIELD
GREAT	BRITANNIA LTD, NORTHERN RD, SUDBURY, SUFFOLK
HAM INTERNATIONAL	25 BUCKLAND ROAD, LEICESTER
HARRIER	ALL DIXONS STORES
HARVARD	HARRIS OVERSEAS LTD 14-16 THAMES ROAD BARKING
INTERCEPTOR	CHELSEA CB CENTRE, 73-77 BRITANNIA RD, FULHAM, LONDON
JOHNSON	STAR WAREHOUSE, CAMDEN GOODS DEPOT, CHALK FARM RD, LONDON



MODEL	TYPE OF SET	NO OF CHANNELS	SQUELCH	VARIABLE RF GAIN	MIC GAIN	DELTA TUNE	TONE		P.A.	ROGER BEEP	NB	ANL	AUTO NOISE FILTER	SWR METER	INDICATOR LIGHTS			METER		MIKE		SWR SAFETY CUT-OUT	DISTANT-LOCAL	STANDBY	CH9 PRIORITY	HEADPHONE SOCKET	DIMMER	AUTO SQUELCH	ATTENUATOR	PRICE (Approx £)	OTHER FEATURES
							SWITCH	VARIABLE							P.A.	R.X.	T.X.	SIGNAL	POWER	FRONT	SIDE										
900	M	40	•	•				•							•	•	•											70	LED SIGNAL STRENGTH		
901	M	40	•	•				•	•					•	•	•							•					80	LED SIGNAL STRENGTH		
GT868	M	40	•	•		•		•				•																70			
HB940	M	40	•	•	•	•	•	•						•	•	•	•	•					•	•				90			
Longranger	H	1/2	•																									80			
Speedway	M	40	•													•	•	•	•							•		80			
Route 66	M	40	•					•								•	•	•	•							•		90			
5 Star	M	40	•	•	•	•	•	•								•	•	•	•				•	•		•		100			
Powerbase	B	40	•	•		•	•									•	•	•	•				•	•				100			
Breaker phone	M	40	•		•			•								•	•											110	CHANNEL SCAN		
21X	M		•					•									•	•	•							•		79			
295	M	40	•					•									•	•	•	•								80			
Nato	M	40	•	•				•									•	•	•	•								130	80 CH AM FACILITY		
Beta 1000	M	40	•														•	•	•									60			
Beta 2000	M	40	•	•			•	•									•	•	•	•								75			
Beta 3000	M	40	•	•				•	•									•	•	•			•					120			
HF-12/13	H	3	•																									48			
HF-13/40	H	40	•															•	•	•								82			
M40	M	40	•															•	•	•	•		•			•		85			
B40	B	40	•															•	•	•	•		•			•		95			
1000	M	40	•															•										60			
2000	M	40	•	•	•	•	•	•										•	•	•			•	•				80			
Hawk	M	40	•	•		•												•	•	•	•							86			
Bluebird	M	40	•															•	•	•	•							102			
Gemini	M	40	•	•				•	•									•	•	•	•							120	LED DISPLAY		
Base Station	B	40	•	•			•	•										•	•	•	•							250			
GT 858B	M	40	•					•										•	•		•							65			
Explorer	M	40	•					•											•	•	•	•		•				75			
Mariner	M	40	•	•				•	•	•	•	•						•	•	•	•		•					110			
Hercules	B	40	•	•	•			•	•	•			•					•	•	•	•			•	•			180			
WT1	H	2	•																									25			
WT2	H	40	•																•	•								70			
CB	M	40	•																•	•	•	•						60			
CBX	M	40	•	•	•	•	•	•										•	•	•	•		•					90			
HQ	B	40	•	•		•		•											•	•	•	•		•	•			150			
020	H	2																										20	TONE ALERT		
Ten four	H	2	•																									20	TONE ALERT		
410T	H	40	•																•	•	•	•						70			
Good buddy	M	40	•	•			•	•											•	•	•	•		•			•	50			
402MPA	M	40	•					•											•	•	•	•				•		70			
400M	M	40	•	•					•										•	•	•	•						60			
420M	M	40	•	•				•											•	•	•	•		•			•	100			
H407	B	40	•	•	•			•											•	•	•	•		•			•	125			
TC 300	M	40	•	•									•						•	•	•	•		•				80			
TC400	M	40	•	•	•			•											•	•	•	•		•				95			
Johnson	M	40	•	•				•											•	•	•	•			•			44			

# Which CB? -the rig guide



BRAND NAME	COMPANY NAME AND ADDRESS
JWR	JOHN WOOLFE RACING WOOLFE HOUSE, NORSE ROAD BEDFORD
LAKE	TURMANN MODELS, UNIT 2, GOVERNMENT INDUSTRIAL ESTATE, UNION MILLS, ISLE OF MAN
LCL	LCL IMPORTS, 101 DIXONS GREEN, DUDLEY, WEST MIDLANDS
LOWE	LOWE ELECTRONICS, CHESTERFIELD RD, MATLOCK, DERBYSHIRE
MAJOR	UNIT 2, STATION YARD, WILBRAHAM RD, FULBORN, CAMBS.
MANOR	MANOR NATIONAL GROUP, OXFORD RD, MANCHESTER
MIDLAND	PLUSTRONIX LTD, HEMPSTALLS LANE, NEWCASTLE UNDER LYME, STAFFORDSHIRE
RADIO 88	88 LONGBRIDGE RD, BARKING, ESSEX
RADIOMOBILE	GOODWOOD WORKS, NORTH CIRCULAR ROAD, LONDON NW2 7JS
RANGER	MODUX, 29a EASTCHEAP, LETCHWORTH, HERTS
REALISTIC	ALL TANDY STORES
REFTEC	NORTH HERTS CB, 8 MELBOURNE ST, ROYSTON, HERTS
ROTEL	2-4 ERICA RD, STACY BUSHES, MILTON KEYNES, BUCKS
S & M	QUEEN STREET, HAVERHILL, SUFFOLK
SHOGUN	SUNRISE PRODUCTS, 8a WEST SMITHFIELD, LONDON EC1
BIRTEL	24 ALFRIC SQUARE, WOODSTON INDUSTRIAL ESTATE, PETERSBOROUGH
STEEPLETONE	CROUGHTON, BRACKLEY, NORTHANTS
SMC	SOUTH MIDLAND, SM HOUSE, OSBORNE RD, TOTTON, HANTS
TENVOX	VOXON AUDIO, NUFFIELD WAY, ABINGDON, OXFORDSHIRE
TRANSCOM	1-12 MARKET STREET, BRACKNELL
UNIDEN	WALLACE TELECOMMUNICATIONS LTD, GREENCOAT HOUSE, FRANCIS STREET, LONDON SW1 1DH
WR ELECTROTEK	33 GROVE STREET, WANTAGE, OXON
YORK	FROM BOOTS AND WOOLWORTHS

MODEL	TYPE OF SET	NO OF CHANNELS	SQUELCH	VARIABLE RF GAIN	MIC GAIN	DELTA TUNE	TONE		P.A.	ROGER BEEP	NB	ANL	AUTO NOISE FILTER	SWR METER	INDICATOR LIGHTS			METER		MIKE		SWR SAFETY CUT-OUT	DISTANT-LOCAL	STANDBY	CHB PRIORITY	HEADPHONE SOCKET	DIMMER	AUTO SQUELCH	ATTENUATOR	PRICE (Approx £)	OTHER FEATURES
							SWITCH	VARIABLE							P.A.	R.X.	T.X.	SIGNAL	POWER	FRONT	SIDE										
M2	H	40	●													●	●	●											75		
Diplomat	B	40	●	●						●				●			●	●	●					●	●				194	SELECTIVE CALLING	
Manxman 850	M	40	●																										45		
Manxman 950	M	40	●	●																									50		
2740	M	40	●																										80	CHANNEL FREE LIGHT	
Communicator	M		●	●					●	●													●						95		
TX40	M			●	●	●																							70		
2000	M	40	●																										68		
3000	M	40	●	●		●	●																						76		
4000	B	40	●			●	●																●	●					115		
5000	M	40	●	●		●	●																	●					84		
Kestrel	M		●	●					●	●														●					99		
Handset	H	3																											80	BATTERY METER	
2001	M	40	●																										70		
3001	M	40	●	●					●	●														●					80		
4001	M	40	●	●	●				●	●																			90		
Viper 88	M		●	●		●																							70		
201	M	40	●																										90		
202	M	40	●	●																									120		
PE Ranger	P	2-6	●																										70	PORTABLE UNIT	
TRC 1001	H	40	●																										120	BATTERY METER	
TRC 2000	M	40	●	●	●				●																				100		
TRC 2001	M	40	●						●																				80		
TRC 2002	M	40	●						●																				70		
834	M	20	●																										200	934 MHz	
RVC 220	M	40	●																										70		
RVC 230	M	40	●	●			●																						80		
RVC 240	M	40	●	●	●	●	●																						90		
Anglia	M	40	●	●	●	●			●																				N/A		
Shogun	M	40	●	●		●	●			●																			99	LED READOUT	
Searcher	M	40	●																										40		
SCB IFM	M	40	●																										103	LED READOUT	
Oscar-One	M		●			●																							85		
	M	40	●																										96	CHANNEL SCAN	
CBX 2000	M	40	●																										70		
CBX 4000	M	40	●	●					●	●																			90		
Unlace 100	M		●																										80		
Unlace 200	M		●	●	●				●																				100		
	M	40	●																										120		
861	M	40	●																										70		
863	M	40	●	●	●	●																							90		

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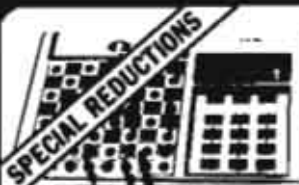


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# Easy as QSL

Hello again, and welcome to another Easy as QSL. Many thanks for your QSLs, cards and letters. The QSLs are getting better, and much more adventurous than I thought they would. Alas, as I write this postage has just gone up again, which normally means another nail in QSLers' coffins, but we all seem to get over it and carry on with our hobby regardless, after all where else can you win super friends for the price of a stamp? Most of you regular readers already know some of my CB friends overseas, and I try and keep you all in touch with happenings overseas.

Heard again from one of my original QSL friends, dear Ernie Vater of 116 Millard Street, Torrington, Connecticut 06790, USA. He sends a great letter and I only wish I could write interesting content like him. He would like to thank all those of you who have QSLed him. Let me quote from his letter: 'I thought it was time I dropped you a line now that I have pretty well answered all my mail from the UK, thanks to you and *Breaker* magazine. I think you had better sit down now, Mike, as there is so much I have got to tell you. Since my last letter to you I have received 127 letters from *Breaker* readers, with some super cards and some beautiful souvenirs of the Big Wedding this past summer of Charles and Diane. Boy, you people go all out for Royalty don't you? She sure is a pretty girl, and I hope she don't louse it up.

'One lovely girl over there, 'Inge' The Flower Girl of Malton (according to my map that's just north of York) sent me a coin of Charles and Di, and to say the least that has a special place in my heart. Like I've said so many times to you, people are beautiful the way you accept total strangers, as I was a year ago. Mike, I'm starting yet another QSL card album in my collection for all the British Concorde QSL Club Cards. To date I have eight cards. These are Peanut 70BC 001, Happy Jack 127C, Sparky 407c, Moscow Mule 516, Jugears 443, sidewinder 65c, and that other 999c. Can't remember his name right off hand. Sure is quite a bunch.

'We have a CB Club over here called The Berkshire Hills CB Club, membership is limited to 75 members, the reason being that too many people

create problems. Before I forget, I have got two girls over there that I just have to mention, Catherine Wetten in Nottinghamshire (Cathy is 16 years old and sent her photograph, and my boy Mike went ape) and Anne McKillop. Anne is only nine years old and she lives at 42 Shield Hill Road, Carlisle, Scotland MK8 5AL. She sent me a sticker for my windscreen on my Moped in her brother's letter. Cathy wanted a picture of Mike so I have sent her one. I am in the process of getting a bigger bike this summer, if there isn't too much flak from the wife, she says I'll get killed. She told me that two years ago, but I'm still here. What gets me Mike is that every once in a while I get 'what at your age pops?' What's the matter with my age? I think they are all jealous that I'm having so much fun out there. If I get a bigger bike I got a trip all planned out across the country to California. There's a family out there I write to, a beautiful family. If you would like to drop her a line it's Jeanie Jones, (PO Box 333, San Luis Rey, California 92068, USA). I know she would appreciate hearing from the UK, and your *Breaker* friends.

'I see by the news that you people have really had your share of winter, and this is the worst winter we have had for quite a while — anything from 0 to -18 below. And like I tell them here, I bring in my brass monkey so he don't get frostbite. Maybe I'm getting mellow, because those winters really get to me, never mind it will soon be spring again. So hey there, you all take care over there, good luck and God bless. Love one another. From this side of the pond this is '481' Ernie going QRT. PS — Long live the Queen and Benny Hill.'

Thanks very much Ernie, great to hear from you again. I really look forward to his QSLs and letters.

We will follow on with club news, and first out of the bag is a new English QSL club — the Charlie Charlie Bravo QSL Club of PO Box 114, Norwich, Norfolk NR3 4NZ. Details from the President Bob 'Huggy Bear' Edwards at the above address. Nice themographic QSL and membership is £7 which includes wall certificate, rubber stamp, pen, list of members and other goodies. Could be worth a try. If you are after joining an unusual club you might try the Interna-

tional Lisbon DX Club (PO Box 4260, 1507 Lisbon-Codex, Portugal), a fairly new but apparently good club.

Calling DXers down in Ringwood Hampshire, there is a new club just started with 14 members, and eagerly looking for more. Not quite sure but it appears to be called the Foxtrot Bravo Hotel and their address is PO Box 08, Fordingbridge, Hants SP6 1ED, so drop a card to The Haggis for details. Attention Yorkshire! Jim and Jen Woodhead write in with details of the Sierra Yankee International DX Club. Nice club envelope and a super club QSL card, but no evidence of a rubber stamp — much loved by us QSLers. Membership of this club is only £3.00 for which you get an ID card, wall certificate, plus other 'useful items'. Well done on your choice of club frequency Jim, 27.560LSB and 27.580LSB, it's good to see someone with consideration for the new legal channels, and those regular 'Easy as QSL' readers know I don't exactly take a shine to clubs with calling channels within the new legal band. Anyway, full details from Jen at PO Box 16, Barnsley, South Yorkshire S70 4HS.

The Bravo Sierra Foxtrot DX Group seems to have taken it's name from the initials of it's founder Brian Fairfield, who sends a membership application which offers all the usual items including club rubber stamp and an ID card and wallet for £5 — details from PO Box 4, Peterlee, Co. Durham SR8 1NH, or telephone Brian on Peterlee 862920.

Nice to hear again from Martin, the secretary of the Whisky Delta Charlie International DX Club (of PO Box 54, Wakefield, West Yorkshire WF2 8UT), the super QSL club with the distinctive 'world with wings' crest—they now have a special WDC QSL card for their Scottish members and very nice it looks too. Martin would like to bring the new address to Easy as QSL readers' attention, and would like to ask a big favour. There is a very sick young lady over in Belgium who would dearly love some QSLs and picture postcards to cheer her up. She is: Alexandra, G.G.M.A., 4340 Bierset, Belgium. Also nearer to home is a 26 year old fellow breaker by the name of Steve, who suffers from multiple sclerosis. A super cheerful lad who is thrilled to receive QSLs. Martin tells us that any cards sent to Steve c/o the WDC club at PO Box 54, Wakefield will all receive a return QSL. Thanks a lot Martin, nice to hear from the club again.

Two letters in this month from the effervescent Andy Cookson, president of the Papa Bravo International DX and QSL Club (PO Box 48, Preston, Lancs). Where do you get the energy from Andy, you leave me breathless! In the first letter was a few of Andy's super new 'Dirty Doodler' colour QSL cards. Really excellent, and in the second letter some of the new Papa Bravo fluorescent labels, a PB Keyring and some proofs of the new QSL cards that Andy prints, including the new Medicman one. Really look forward to joining the ranks of 'Cooky's QSL card' senders. If you want details of the club or the QSL cards Andy prints, drop him a line at the club address above. The Papa Bravo now numbers over 250 members, and from the club roster Andy kindly sent, I recognise many familiar QSLers from

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all over the world. Also in from PB is details of the club's new superb embroidered patch, now available at £1.75 including P and P. Andy has lots of other ideas, and perhaps we will follow them up next month, including a cassette-swap section of the club.

First regular QSL off the pile this month is from Woodpecker and Night Nurse, Gwil and Ann (PO Box 1, Porthmadog, Gwynedd, North Wales LL49 9BP), who not only send one of my favourite club cards — the colourful Charlie Bravo Sidebanders Club — but also one of their personal attractive silver and black QSLs. There's posh now.

From the other end of the Land of Song comes a personalised English International card from Moondog (Ian Howell, 13 Ceri Avenue, Rhoose, Nr Barry, South Glamorgan, South Wales CF6 9HG) who is also a member of Big Ben and Papa Bravo. Heard from Louis Burns of 28 Catherine Street, Killyleagh, Co. Down, Ireland, who QSLs with an Amateurs Norway Club card. Also a De Zeemeermin and British Concorde member, he has heard from P. Vangogel of 226, Nevay Road, Miraner, Wellington New Zealand, who had received 200 QSLs in November and 163 in December — all from Breaker readers. Apparently it's a little heavy going cost-wise but he promises all who QSLed will be replied to — just be patient, he is considering taking out a second mortgage on his house to help towards the postage.



Redwood Country QSL Club president Gene Chelberg (right) with the club's mascot, Paul Bunyon, and an axe the size of the average British family saloon. Paul has an unusual way of raising money for charity — he slings a young ox across his shoulders and climbs redwood trees.

William McKoy 70BC 253 promises 100% QSL return (from 29 Cross Street, Killyleagh, Co. Down) and sends the familiar Redwood Country QSL club card, one of my first overseas QSL clubs, with a great president, Gene Chelborg (31900 Pudding Creek Road, Fort Bragg, California 95437, USA for details of the super Redwood). Nice to hear again from Edward McMahon on 32 McCurtains Villas, Cork City, Ireland, a keen member of the Irish Rover International DX Group, run by my old friend John Cashin (Moincoin, Co. Kilkenny, Ireland). Both keen and veteran QSLers. Avid Scottish *Breaker* readers, Catherine and George Watt of Lundie Castle, By Dundee, Scotland, send their new QSL, as does Crazy Diamonds (Grant Wilson from 52 Belyeoman Road, Dunfermline, Fife KY12 0BB). A pile of QSLs came in from Paul Kennedy of 47 Climpy Road, Forth, Lanark ML11 8DG. Let's have some more QSLs from up there!

South now, across the border, to Michael Barlow (36 Lytleton Crescent, Cubley, Penistone, Sheffield), who has had a very smart personalised QSL done. Steve Kingston (3 John Brent House, Bush Road, London SE8 5AT) would like some ideas on how to put together a QSL — any offers of help from *Breaker* readers, or perhaps one of your QSLs will help him. First card I've had for a long time from my own home county came from The Painter Man (Paul of 1 Russell Court, Stoke Hill, Guildford, Surrey) who sends a smart black and gold card and promises 100% return.

The Flasher (Michael West of 19 Chapel Avenue, Birchcliffe Road, Hebden Bridge, West Yorkshire HX7 8DG) sends an unbelievable QSL. Ladies, do not QSL unless you have a strong constitution! Tom WDC 220 sent a super package of eight different QSLs, so thanks to Tom, who you can contact via the Whisky Delta Club, address already given above. A big thank you card (how nice) from Little Jaws, Frances Knight, who received lots of QSLs after her name appeared in *Breaker*. Apparently she was ill at the time and all our cards cheered her up and helped towards a speedy recovery. Catch Frances at 67 Windmere Road, Hatherley, Cheltenham, Gloucester — she's a lovely lady!

Nice one from Richard (Romeo Mike 28) McHale of 5 Salisbury Street, Prescott Merseyside L34 6JA, who has

run out of the stock cards he used and cannot get any more. Any ideas who stocks stock QSLs? Time you read this he would have probably found them so send him your QSL and see! Terry Andrews has moved from North Harrow to Milton Keynes (32 Kercroft to be precise) and if you would like to receive his very colourful action QSL, he will be pleased to send it.

Another Terry, this time, The Mandarin, Terry Shelldrake (22 Bell Hall Terrace, Saville Park, Halifax, West Yorkshire HX1 3EE) who renews his acquaintance with a nice print-out of the stamps of the QSL clubs he has joined. It is always nice to hear again from some of the original QSLers, especially the ones whose enthusiasm has not run dry, and you've still got that Chinese writing on your card Terry — I've asked you before what it means, I hope it's not rude.

How nice to see some trouble taken to produce a very pleasing QSL package and Jow Geronemo (PO Box 27, Barrow in Furness, Cumbria) has really put some effort into it. Well worth sending him your QSL. An apology to Superstar (Jean Chapple) of Norwich. Her name was included in a previous *Breaker*, and alas she didn't think much of me for it. Sorry Jean, but if I am sent cards I must assume your intention is for a mention in *Easy as QSL*. Nevertheless, I hope you enjoyed all those cards.

A plea from new CBER Chipmunk (6 Wavell Way, Stanmore Estate, Winchester, Hants), who wants to contact a QSL club in the Hampshire 20. Any offers? The only Mushypea QSL card this month was sent in by Horsetrader (Derek Wrathall, 2 Evelyn Avenue, Bradford BD3 7AE) who QSLs to everyone with his smart card. The only criticism of *Easy as QSL* (that I hear of, anyway) is that there's not enough overseas mail. Well, all those of you in the UK have managed to quite adequately fill these columns over the past months, but I will actually include some decent overseas contacts this month, so here we go.

A gem from Didiet Soeharso and Anita Ekowati of Jl. Solo 40c, Yogyakarta, Indonesia (handles Rama and Shinta), who believe it or not, are members of English International. Come on *Breaker* readers, let's give them a good British QSL! Nice to see various club cards from the International Tampere Radio Club of Finland. One in from Juhani Grapenborg (Advokadbacken 24 II tr., S-14556 Norsborg, Sweden) is very collectable. As I have said before I think it's a good idea for QSL Clubs to use a correct country prefix. Great Britain code is 70, so if you belonged to say the Papa Bravo Club, your call sign would be 70PB, followed by your membership number. I know quite a lot of DXers use club call signs, and I think they sound good too — adds an air of respectability to it all.

Nice letter from Aurora and Lady C500-822 (Lammert and Martha Oosting of Medanstraat 24B, 9715 KE Groningen, Netherlands), who send some nice QSLs and an informative personal letter. Good idea. Also from the Netherlands are Plet and Annie (PO Box 601, 6700 AO Wageningen, Holland).

They send a very colourful card and many of their friends cards included in

the QSL. I must find out the difference between Holland and Netherlands sometime. From West Germany comes a batch of QSLs from a young lad, Roland Musler (Gaertnerelweg 11/1, 7130 Muehlacker 5, West Germany), who would love to contact as many British QSLers as possible.

From Canada comes a card from Big Ben (119 Niagara Street, St. Catharines, Ontario, Canada L2R4L5). Not only is he a member of the British Big Ben DX Club, but he has used the emblem for his very smart personal QSL. Big Ben collects view postcards, so if you QSL him, send him some to swap. Also from Canada comes a QSL from Cucumber — Frank Warman of PO Box 434, Whitby, Ontario L1N 5S4, Canada — who has three different artist-designed full colour QSL cards and one black & white. Very nice swap.

Some very collectable cards came in from the USA. Arthur Costa, a Lucky Seven QSL Club member, writes from 43 Middleboro Road, E. Freetown, MA 02717, USA, and a nice long personal letter came in from Chuck of PO Box 20070, Philadelphia, PA 19145. He not only QSLs 100%, but also sends a selection of view postcards and would like to say a big hello to his very good friend in England David Shepherdson of Ilkley.

Down to the Antipodes now with a new colourful QSL from the president of Sunshine State QSL Swap Club of Queensland, my old friend Graham Habler (PO Box 260, Maryborough, Queensland 4650, Australia). His new card actually claims a 101% QSL return, so I'm sure he will be delighted to hear from us poms. Greg Veith, (PO Box 50, Golden Square, Victoria, Australia 3555) is president of the Emu International DX Group and writes to tell us that he is visiting one of our veteran GB QSLers, Les Newport, in Oxford early next year, so if you would like a QSL-eyeball, drop a line to Greg.

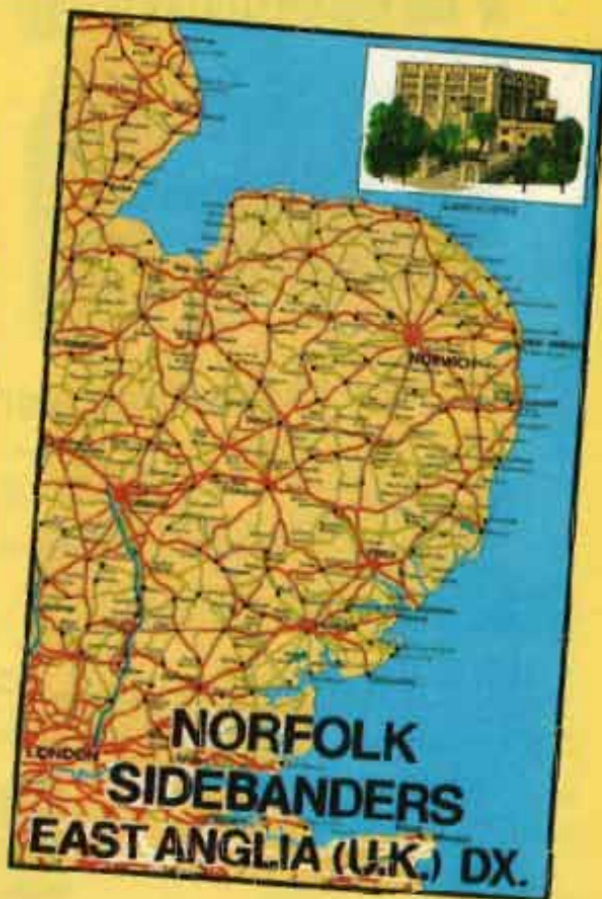
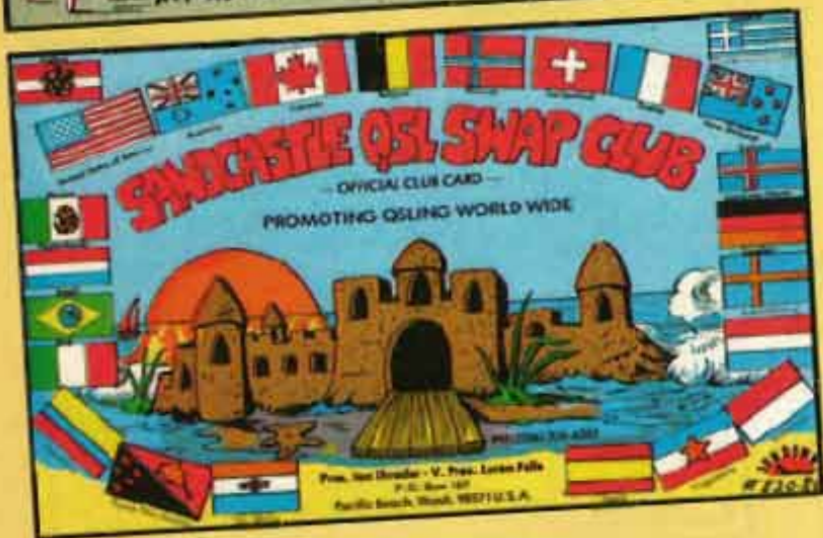
Some very smart QSLs received from New Zealand. First from Shayne Lukis (14 Scott Avenue, Owhata, Rotorua, New Zealand), another from Roly Lukis, The Hunter, at the same address, and a third from their friend, Ted Hodge (2 Steele's Lane, Rotorua, New Zealand). Great idea — three QSLs in one envelope. Sure saves postage. Also from way down under is a card from J. L. Crichton, 616 East Coast Road, Browns Bay, Auckland 10, New Zealand, who doesn't have any British QSLs yet. Let's show him!

Well, that's it for another month. Mustn't forget a word of congratulations for one of the original QSLers in GB, my good friend Clay Miller (High Boiler), who somehow still finds time to QSL Worldwide. He has recently been promoted in the ranks of REACT UK, the CB emergency monitoring group, and is now county co-ordinator for Surrey. Well done Clay, it's good to see CB going in the right direction.

Hope to catch you again next month in *Easy as QSL*. Keep those cards coming and we'll do our best to include everyone and you might even get your card printed. How will you cope with all that fame? Keep it clean.

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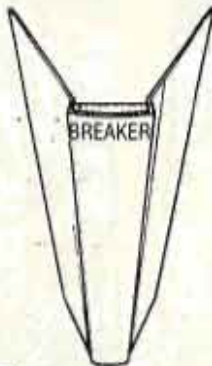
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# One man's meet...

It's time you faced up to the facts — not everyone is as interested in CB as you. In fact, in the wrong company you can be a bit of a bore. I've seen people pull their own heads off rather than listen to you talk about that copy you got last night. The lads down the local find you about as interesting as a barmaid with a black belt in judo. And remember when you popped out to buy Breaker? When you got home, the family had moved. Your missus had her ears sewn up on the national health. But at least you mean a lot to your neighbour — a £100 rate reduction.

It can't be a lot of fun for you either. Must get a bit boring talking to the back of your victim's blurry head as they make their hasty escape. What you need is to talk to people with the same interests as you... people who can contribute something more constructive than 'ARGH!' You need to join a CB club.

CB clubs have been around almost as long as CB itself and in the heyday of AM a new club was set up almost every time someone made a copy. But CB had a clubber feel to it then, didn't it? We were all part of a clandestine brotherhood and we really all enjoyed leaving our rigs at home and meeting up in that pokey little room down at the Scabby Tomcat. Then namby-pamby FM came along and everything changed. Or did it?

Some clubs did hit hard times, and some even disappeared almost as quickly as they had been formed, but most of the clubs that went down did so because of bad organisation or apathetic members. The FM system has been with us for about six months now and we're still hearing from around 20 clubs each month who want to be added to the club list. Admittedly a lot of clubs are folding, but there's always one to take its place. So what's the difference between a failed club and a successful club? Why do some succeed where some fail?

There's no single answer, of course, which is a shame because it would make us look really clever. On the other hand it would make a great deal of white space on this page, so let's have a look at the anatomy of a club. The nitty gritty. The lifeblood. The very bones of its structure. The gut problem. The... God, I feel ill.

Probably the one most important feature of any club is its constitution. Its rules. And this is where a lot of clubs fall down because of the method in which they were formed — over a couple of pints down at the local, say. Or even over the air. When half a dozen of you are meeting in the car park of a boozier for an eyeball, it hardly seems the right time to start talking about committees, minutes and agendas. But, as many clubs have found, given the right circumstances, a

club can grow incredibly quickly and you could find yourself caught with your guidelines down.

It's actually very difficult to split up club committees and club regs because one is formed by the other following the other — but it'll get very confusing if we talk about them both at the same time, so we'll start by looking at the committee.

You might meet with some hostility when you first mention forming a committee because they haven't got a very good name, their image reeking of red tape and constitutional claptrap, but they are vital to the smooth running of the club's affairs. A committee can have any number of members, depending on the roles they are expected to carry out and the work the individuals are prepared to take on, but don't forget that new members can be voted on at anytime in the future when a developing membership or events calendar calls for them. If there's only a few of you, start with a chairman, secretary and treasurer, maybe. And this is where we find the natural leaders among us. The mention of a committee seems to bring out the dictator in some people, and most clubs are run on democratic lines without the stamping of fists, and streams of heated rhetoric favoured by some.

The simple answer is to form a committee with the founder members, invite membership and then invite candidates to stand in the election of a new committee. Providing the founder members haven't actually been lynched by the membership, they will probably stand and if their record is good, they will be elected. It gives everyone a chance to give them the thumbs up or down, and if someone doesn't like the way things are going they can always stand for election themselves and see how much support their own ideas have. Good way of getting rid of nuds, this.

The make-up of the committee is also important in the CB field, if the club is to support AM and FM and we'll get onto that in a bit. If the club is in favour of all CB, try to get a roughly equal mix of AM and FM users, so no one can point accusing fingers. It doesn't always work out too well, but at least be aware of the need for balance in your decisions.

Some clubs appoint officers for everything from drawing raffle tickets to sweeping up after a meet. Just how far the various jobs are shared out depends on the individual club but it is worth suggesting posts to people who have some experience or aptitude in that specific area. You might find that someone in your club has organised social events before, which will be useful when it comes round to your club disco. Or if

you've got someone who is on the road — a truck driver or rep, of example — he (or she) might like to look after liaison with other clubs, if that is felt important. It's really best to start with the basics and develop things as necessary, but those basics are important.

While the number of committee members isn't too important, enthusiasm among them is. If the committee spend all their time polishing the bar with their elbows, the membership will soon wonder why they aren't in the public bar of the Ruptured Parrot watching Desperate Pam, the neurotic exotic dancer. As with every social club, organisation and even company, it's vital that Joe Ordinary feels he has a say in things and unless you're doing what the membership want, you'll soon find that you're organising events for you and your missus/old man/good friend/dog. Conversely, if the committee is as keen as Desperate Pam but the membership don't feel the same way, you're soon going to be in trouble. All too often we've heard of a couple of committee members doing all the organising and the rest just moaning about everything that was organised for them. It might be a cliché but it's true just the same — you get out of a club only what you put in. So let's hope that some of your enthusiasm will rub off on the rest and they back you up. But it's also worth considering that maybe they're not supporting you because they don't like what you're doing — put it to the vote.

Some clubs seem to forget that CB has grown up. These days it's not on to expect people to flood along to buy drinks from a makeshift bar in a scruffy pub backroom just because you call it a CB club on Tuesday nights. As we said before, that old camaraderie used to be enough to keep things together. CB was new and illegal and we all wanted to meet and talk about it. Today it's become respectable and breakers want to get their families involved in some of the events, if not all the meets, so try to be a little more inventive than eyeballs and foxhunts. They're part of it, but there's more. We'll give you a few ideas later and you'll pick up hints by visiting other clubs. Most of them are happy to pass on any advice they can — and warn you of any problems they have encountered and overcome — and joint ventures will bring new faces into events.

The Folkestone Breakers Club are one of the most inventive and active clubs we've heard from (OK, yours is better, huh? We'll feature it next month, all right?) and they've done everything from parachute jumps, through making a record (now on general release — well done), to making a movie with a local film group. At their ordinary meetings they try to vary things by having secondhand stalls, auctions or film shows.

The Folkestone mob also serve as a good example of mixed membership. And we mean AM and FM, not just lads and ladettes (hello Pip). They've got a balanced committee and they seem to be keeping the peace in their area, whereas it's getting a bit hostile in some parts of the country. And if you think the wallies

are a pain on the air, imagine a group of them together. In the same room as you. Selective membership can cause problems itself but again it seems to work in Folkestone (hello again, Pip), where every prospective member has to fill in a form which is submitted to the committee for consideration.

If you are involved in the formation of the club, you'll find that inevitably your influence will decrease as the size of the club increases and new people will have new ideas. The important thing is that the foundations are firm and well-laid (not unlike Desperate Pam) so there's something to build on. As membership swells, new sections can be set up to cater for the kids (those dragged along by their parents or members in their own right) and DXers.

Most CB clubs will have something of interest either to the local papers, the nationals, or, of course, the specialist CB press. Us, in fact. Yes, we're trying to make our job easier. It's also important for the club that they have a good local image — and it does wonders for the ego of the members, particularly if you can get a photo in. As far as local and national press are concerned, this is the one area which has become easier since legisla-

tion. In those far off days of AM we heard many complaints from clubs who had supplied details of rescue drama to the local press, but which never appeared in print. We also heard from local newspapers, who had received details of stories which they would have used except that when they asked for a name they were given 'Bald Eagle' or 'Nipple twacker'. They're not likely to run a story on the word of someone not prepared to give his or her name. And it wouldn't quite fit in between the WI news and the court reports, would it?

So appoint a press officer and let them establish good relations with the local paper. Remember that what might seem the best story since Watergate to you, might not be quite as hot to them, and often it will simply depend on what else they have on the stocks. The surest way of getting something in is to write detailed notes of the story — they won't expect John Pilger stuff but include full names as well as handles and don't use too much jargon — and supply a pic, if possible. Photographs are worth a thousand heart attacks when an editor needs one for a page, so try to supply good quality black and white prints (is there a professional or good amateur photo-

grapher in your club?) together with a caption giving the full names.

If you're fortunate, or unfortunate, enough to have a journalist among your number — he'll be the one you thought was part of the bar — pressgang him into suggesting a regular column to the local paper. This is already proving popular with a number of clubs and papers up and down the country. The same guidelines apply to the nationals — they just need everything that much quicker but the local paper will pass it on if they think it's worth it — and us CB mags. Just remember to send it to Breaker first. If you're still not in our club list, fill in the Club Call form immediately, or we'll send Tom round to park his car next to yours until it catches rust.

Keep the newsletters coming in too and we'll do as much as we can to spread the word, not just to your members but to breakers all over the UK. And a few overseas too. All that for the price of a stamp and the customary bribe. Every CB club worth its salt will be involved in charity work, which obviously helps those who receive the aid, but also gives the club boost. A line or two to the local paper will show you're more than just a bunch-of-louts-with-funny-radios.

## Gaming law

Part of a club's function is to entertain its members, something that's a lot easier than said done, so we at Breaker have scoured the nation, nay the world, to come up with some ideas. Well, actually we scribbled this down on the back of a fag packet in the wine bar one lunchtime, but who's counting? Pin back your lug holes, here comes the Breaker guide to club activities starting with...

### Convoys

The convoy is one of the most obvious of pastimes and it can be a lot of fun — if it's properly co-ordinated. Poorly organised, it can be a real pain in the neck. The secret of good convoying is to have a chairperson to which all modulations are directed. This is similar to latenight networks and stops everyone walking over everyone else. This person should be located in the rear of the convoy (if it's not more than 10 cars) to keep the others in line. If you've got more than 10 vehicles then 'the guv' should be in the middle with two intelligent and experienced breakers at the front and rear to help them out. The destination of the convoy should be ascertained before leaving the starting point and should be a place of general interest where refreshments are available, otherwise there'll soon be a horde of very bored CBers who'll drift off in ones and twos.

### Foxhunts

The first regular CB foxhunts in this country, to our knowledge, were held on the Isle of Wight by the illegal AM

breakers around 1979. They were extremely well organised affairs and they met every Friday for 12 weeks, scoring points on each hunt. On week 13 they had a presentation dance at a local hall for the overall winners.

The idea of a foxhunt is for one breaker to be the fox. He leaves from the starting point and is given 10-15 minutes to hide. He then transmits on a preselected channel, and chats generally for 30 seconds every two minutes. He does not move from his hiding place and all tracking is done by using the 'S' meter to tell how close you are to him. After 30

minutes or so he can start to give discreet clues to his whereabouts, and as time goes by he can become quite blatant. The first one to find the fox gets as many points as minutes it took to find him, and any who haven't found him after a certain time, say two hours, get 150 points. The one with the lowest number of points at the end of the foxhunt season is then the overall winner. If each contestant puts 50p, or a pound, in the kitty at each event it can add up to a fair sum at the end — and will more than pay for a dance hall, prizes, food, a disco, and — with some spares for club funds.



Pram races involve members, get you publicity and raise money.



A sponsored dip in the middle of winter guarantees you a fortune in sponsorship if you're on the coast... and a place in a home if anyone sees you.



Beauty contests will go down well with most men — though perhaps not with the ladies. A celeb helps too — Terry Jacks, in this case.



Fancy dress always goes down well. If the breakers in the pic aren't wearing masks we apologise. And sympathise.



The loneliness of the long-distance bed-pusher... fine weather helps. Send unmarked fivers and we'll put a good word in.



Fancy dress again — a pervert's dream.

### Treasure hunts

Once again, a treasure hunt can be a lot of fun if properly organised. The idea is for the Cbers to be given a clue to where a second clue is hidden. Different identity passwords should be given by a hidden breaker every time a clue is found. Each time a clue is found a different password is issued on receipt of the last password. This stops a breaker well down the list chancing on a later clue and jumping the queue over the rest. The final destination can be a barbeque or a disco, but it has to be near a phone, so those who are helplessly lost can call in and get back. Those who make it all the way with the clues pay £1 to get in and those who don't pay £5 less the number of clues they've found, at 20p a clue, perhaps.

### Distance copies

This is a throwback from the amateur DX competitions where they try to get as many copies as possible. With CB it could be done with distance (ie. two miles per point) and would have to be confirmed with QSL cards, or it could be done with the number of copies (one point per copy). All entrants should pay for the entry and it should take place over a set

number of hours on a chosen day.

### Jumble sales

Another kickback from the amateurs. Virtually every Cber upgrades his equipment from time to time and is left with secondhand gear such as SWR meters and microphones which eventually clutter up the cupboard. If each club member brought his unwanted equipment to the club once a week, or once a month, it could be displayed on a table and sold either for a fixed price or by auction. Ten per cent or so could be kept for club funds and the breaker has turned a useless item (to him) into a cherished possession of another breaker. And what's more, he can now afford his round at the bar.

These are just some ideas we've come up with, and if anyone has any other suggestions (printable ones that is) for club games related to CB we would be very interested to hear them. Mark the envelope 'Club Games' and post it to the address at the front of the mag. There are, of course, lots of non-CB events that clubs can use to raise money and entertain themselves — parachute jumps, pub crawls, pram races and so on. Another time, perhaps?



OAPs think CB clubs are the best thing since cocoa, if they organise a trip for them.



Buying goodies for homes is good for the club and the homes.



It's-a-knockout-style games are cheap and easy to organise.



Don't know why they're smiling—they're about to go parachuting. Good money maker, though.



Not quite sure what this is—every club should have one though.



Convoys can be a great success if they're organised well—or a disaster if they're not.

We'll start, this month, on a personal note. Thanks to Mile Eater, from the Banger Town Breaker's Club, for the award but you've got the wrong man. We don't like to name names, but if you

**BANGER TOWN BREAKERS CLUB** Channel  
 73's & 88's Truck: 19  
 FROM or  
**THE MILE EATER** Home Base 14

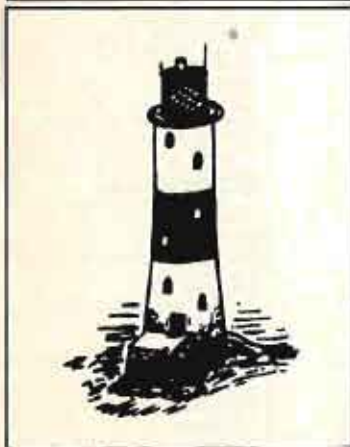
send the next one to Martin you won't be far wrong. Now that's straight let's get on with the news.

Little Mermaid from the Wizard of Oz club in Oswestry, Shropshire, tells us they're holding a convoy on the 18 May to raise money for charity and to push for AM CB. They'd love to see you there. One thing though, Little Mermaid says the club has 700 members, 1000 of whom are in the UBA. You work it out . . . The Channel Snobs are the sort of people who hold a mike with their little finger sticking out, but don't hold that against them. They're holding a marathon copy over the Easter weekend to raise £2000 for a home for the physically handicapped. Wish them well . . . Jet 146 is a small club, who meet every Friday. Check the list for the address . . . The Eden Valley Breakers meet every three weeks, so you'd best write them a letter to find out the dates. They're planning big things for this summer, and would love to see some new members . . . This isn't a club mention, but it's about David Attwater who held a sponsored ratchet and raised £300 for a special centre for handicapped children. The reason it's in the clubs section is that we've been asked to thank the 750-or-so breakers in Medway who coped him, so consider yourselves thanked . . . Another news letter from the Westcliff Breakers. If half the things they say in there are true, it must be a really good club. Lots of back stabbing and malicious rumour—they could write for Breaker. PS Where's your club mag? . . . A very short note from the Old Capital Breakers, who come from Winchester. Membership is running at around 400, but they don't say when they meet, so your best bet is to write to the address in the list . . . We don't get too much news from Northern Ireland, but we've had a letter from the November Yankee 27/81 Club. They're still small but would be glad to talk to anyone passing through Newry . . . The Noisy City Breakers now have their own premises. They're the only club we know of to be a proper social club rather than just a breaker's club, if you see what we mean, so see the list for the new address . . . Another club from Winchester—this time the Round Table Breakers. They held a sponsored ratchet to raise money for equipment for a local hospital, so hope you've reached your target . . . The Chichester and District Breakers have a new address (*Quick hello to Tangmere—MF*) . . . Jersey City Breakers told us lots of interesting things but not their address. Try again, Eagle One . . .

The Coastline Breakers don't have an area as such, they just have members

from near the coast of Norfolk, which includes any holiday makers around there. Novel idea . . . **Ashford Central CB Club** have over 200 members. They meet every Thursday at the Top Rank, and there's a limit on the number of members so move fast if you want to join . . . **Windmill Town Breakers** come from Cranbrook in Kent. Visitors are welcome, but expect to pay £1 for entrance . . . **The West Glamorgan Breakers Association** have been at a new address since last October. Well, if you don't tell us we'll never find out . . . From north of the border comes news of the **Jolly Rodger Club** in Fife. They seem to be heavily involved in charity work. They don't say if they want new members, but a letter to the address in the list will sort that out . . . **Strangeways** is an odd name for a club, and **Karate Girl** doesn't say where the name comes from. What she does say is that their 250 members would like to arrange a convoy and an eyeball with a nearby club. Anyone near Dagenham interested? . . . **Cardiff and District Breakers** say there's some trouble in their area with sideband and 63/23 high on AM bleeding over channel nine. Come on lads, mind what you're doing

## Cardiff & District Breakers



. . . Another strange name is B-BITS. It obviously stands for something, but they didn't say what. What they did do is to send us a copy of their newsletter, and very good it is too. They're a small club but they seem well organised, so if you live in the Eastbourne area you

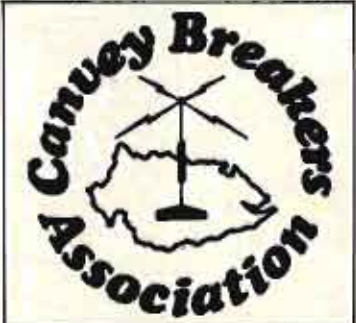


could look in . . . **Yate and District Breakers** (known as YAD) reckon they've got 700 members and have donated nearly £1500 to charity. And what's more they do a comprehensive newsletter. One thing though — we're sure we've seen the typeface on the logo before somewhere . . . **The Pork Pie Breakers** come from Melton Mowbray. Yet another club with a funny name, but no explanation of where it comes from. Anyway, their 600 mem-

There are loads of clubs around, as you can see from our listing. If your club isn't in there yet, or it is and the details are out of date, then fill in the form and return it to us marked Club Call.



bers get up to all sorts of things — too numerous to mention here, and they've got a good club logo. This comes as a sew-on patch and gives the club a very professional look. A hint there for other clubs . . . A very brief note from the **Canvey Island Breakers**. Just saying



hello, really . . . **Sooty** from the World's End Breakers has written in to say they're interested in arranging events with other clubs. If you think you can help, and are in the Wendover area, the full address is in the list . . . **Finally** the **Alpha Whiskey One Club** say they are a 934 club, which makes them a rarity at the moment. They're based in Portsmouth, so just about anyone in the Hampshire area can join in. As ever, the address is in the list.

## AIRWAVES CLUB CALL

Club name.....  
 Area covered.....  
 Meet at.....  
 Meet on..... Yes/No  
 Is membership still open?..... Yes/No  
 Number of members.....  
 Contact address (for publication).....

Local handles:  
 Town/city/area.....

Handles.....

Local breaking channel(s).....  
 Club channel(s)..... AM only  FM only  AM/SSB  All CB

Club supports\*.....  
 Is your club in the Airwaves club list? Yes/No\*  
 Has your club raised money for charity? Please state who received the money, how much they received and when it was handed over:.....

Form completed by (confidential — NOT for publication)  
 Name.....  
 Address..... (work).....

Phone number (home).....  
 \*Delete as applicable \*Tick appropriate box  
 (Please use separate sheet of paper if necessary)

**2nd City Breakers**  
 meet Sundays at  
 Bannerman High School  
 Bellisleton  
 Glasgow

**G3 — Oh Breakers**  
 c/o 33 Hereford Close  
 Linthorpe  
 Middlesbrough  
 Cleveland

**TYBC (Seyvern Wye Breakers Club)**  
 c/o Oak Close  
 Chepstow

Meet fortnightly at Three Tuns

**9 Plus 30 Club of Hershham**  
 meet Tuesdays at  
 The Star  
 Hershham  
 Surrey

**10-36 Club**  
 meet Mondays at  
 Calcot Hotel  
 Calcot  
 Reading  
 Berks

**27 Club**  
 Every Monday at  
 Saxon Tavern  
 Southend Lane  
 Catford SE6

**39 Breakers Club**  
 c/o R Comrie  
 286 Hardgate  
 Aberdeen AB1 5AD

**19-58 Breakers Club**  
 meet Tuesday at  
 Glassbridge Club  
 c/o 106 Bosworth Road  
 St Helens  
 Merseyside  
 WA11 9HQ

**27 CB Club**  
 69 Bentley Road  
 Willesborough  
 Ashford  
 Kent

meet Fridays at  
 Victoria Hotel  
 Ashford

**27/81 Breakers Club**  
 meet at  
 Harrow Borough Football Club  
 Earlsmead  
 Carlyon Avenue  
 South Harrow

**27/81 FM Club**  
 c/o 24 John Martin Street  
 Newry  
 Co Down  
 N Ireland

**A12 FM Breakers**  
 meet Sundays at  
 The Countryman, Victoria Road  
 Chelmsford

**A78 CBBC**  
 c/o 117 Main Street  
 Largs  
 Ayrshire  
 Scotland

**Aire Valley Breakers Club**  
 53 Albert Road  
 Saltaire  
 Shipley  
 West Yorks

**Airwave Breakers**  
 Every Monday at  
 The Plough  
 Bedminster  
 Bristol

**Alpha Whiskey One 934 Group**  
 c/o Area Secretary  
 91 Meyrick Road  
 Stanshaw  
 Portsmouth

**All Breakers Club**  
 190 Evelyn Street  
 London SE8

**AM & FM Breakers**  
 meet Sundays at  
 Milton Lodge  
 Burnage

**Anglo American MC Internat.  
 Sidebanders**  
 c/o Coronation House  
 Tolcarne Road  
 Newquay  
 Cornwall TR7 2NQ

**Anglia Breakers Club**  
 c/o Great White Horse Hotel  
 Tavern Street  
 Ipswich  
 Suffolk

**Appletart Breakers Association**  
 c/o 45 Hevers Avenue  
 Horley  
 Surrey

**Apollo CB Club**  
 Pasture Road  
 Moreton  
 Merseyside

**Aquae Sulle**  
 c/o The CB Centre  
 Chelsea Road  
 Weston  
 Bath  
 Tel: 0225 333379

**Auld Reekie Breakers Club**  
 meet Mondays at  
 Capercaille Bar  
 Bernard Street  
 Edinburgh

**Ashford Central CB Club**  
 c/o 4 Sheldwich Close  
 Ashford  
 Kent  
 Meet Thursdays at  
 The Top Rank

**Associated Breaker's Club**  
 c/o Dial Electric  
 528 Lever Edge Lane  
 Bolton  
 Meet Monday nights  
 Aquarius Club, Bolton

**Association of Maghull Breakers**  
 c/o 69 Vetch Hey  
 Netherley  
 Liverpool  
 Merseyside

**Attic Breakers Club**  
12 Jameson Road  
Bridlington  
East Yorks

**Australian International QSL Swap Club**  
PO Box 855  
Freemantle 6160  
Western Australia

**Avant! Breakers Club**  
c/o Post Office  
Newton of Falkland  
Cupar  
Fife

**B-Bits Club**  
c/o 46 Kings Avenue  
Eastbourne  
Sussex

**Back Road Breakers**  
Alternate Thursdays at  
Liberal Club  
Garstang  
Nr Preston  
Lancs

**Band Town Breakers Club**  
meet Tuesdays at  
The Grove Inn Motel  
Euand Road  
Brighouse  
West Yorkshire

**Banff Breakers Club**  
meet Mondays at  
Royal Oak Hotel  
Banff

**Banger Town Breakers**  
c/o 19 Marlborough Court  
Haverhill  
Suffolk

**Banjo Breakers**  
c/o 14 Kingsway Trailer Park  
Tower Road  
North Warmley

**Barley Breaker's Club**  
Alternate Wednesdays  
Barley Sheaf  
New George Street  
Plymouth  
Devon

**Barmy Cow Breakers Club**  
meet Wednesdays at  
Barley Mow  
St Margarets Ave  
Ward End  
Birmingham 8

**Barnet Breakers Club**  
Meet at British Legion Hall  
Brookhill Road  
East Barnet  
Herts

**Barrler Breakers**  
Every Wednesday at  
The Railway Hotel  
Netherfield  
Nottingham

**Barry Breaker's Club of Wales**  
Meet alternate Sundays  
Hotel International  
Barry

**Barwell CB Radio Club**  
5 Mayfield Way  
Barwell  
Leics

**Basidon Fortune Breakers Association**  
meet 1st & 3rd Thurs of month at  
The Barn  
Basidon

**Beachcombers Breakers Association**  
c/o 3 Thursby Road  
Highcliffe  
Christchurch  
Dorset BN23 5PA

**Beach Breaker's Club**  
Mowbray Road  
South Shields  
Tyne and Wear

**Beechwood Breakers Club**  
c/o 14 Sandholes Street  
Paisley  
Scotland

**Beech Breaker's Club**  
Every Sunday evening at  
Blacksmiths Arms  
Thornwood Common  
Nr Epping

**Berlin Breaker's Club**  
Meet fortnightly at  
The Wasserturm  
Spandauer Damm  
Berlin

**Big C Club 80**  
c/o Dominix  
PS 14  
The Market  
Carmathen  
Dyfed  
S Wales

**Big Eyeball Breakers**  
Every Thursday at  
The White Hart  
Devonshire Hill Lane  
London

**Big H Breakers**  
c/o Ardencaple Hotel  
Rhu  
Dunbartonshire  
Scotland

**Big Top Breaker's Club**  
5 Council Villas  
Melton Ross  
Barnesby  
South Humberside

**Big Wheelers Association**  
35 Alexander Court  
Lansbury Park Est.  
Caerphilly  
Mid Glam  
Wales

**Billingham Breakers Club**  
meet alternate Wednesdays at  
Billingham Breakers Club  
Billingham Forum  
Billingham  
Cleveland

**Binley Breakers**  
c/o Shop Steward  
Broad St Old Boys Club  
Brandon Road  
Coventry

**Bliscult Town Breakers**  
PO Box 123  
Reading  
Berks  
(send SAE)

**Blackpool Breakers Club**  
c/o ADS Electronics  
239 Dickson Road  
Northshore  
Blackpool

**Boomerang Breakers Club**  
Meet at White Lion  
Moulton  
Northampton

**BOS Club**  
c/o Wernon Arms  
Spondon  
Derby

**Border Breakers Club**  
c/o Cathedral Garage  
Weybread  
Harleston  
Norfolk

**Boston Breaker's Club**  
Bramble Country Club  
218 Christchurch Road  
Bournemouth  
West Parley

**Bottle City Breakers**  
31 Farm Road  
Clock Face  
St Helens  
Merseyside

**Bottsford CB Association**  
c/o 8 Spusby Road  
Scunthorpe  
Sth Humberside

**Bourne End Breakers Association**  
Fridays at  
The Fire Fly Pub  
Bourne End

**Bourne Town Breakers**  
c/o 26 Spalding Road  
Bourne  
Lincs  
meet at Wishing Well Dyke  
Nr Bourne

**Bournemouth Independent Breakers Association**  
Every Tuesday  
Coach House Motel  
Farndown  
Dorset

**BP Breakers Association**  
19 St Helens Avenue  
Fimby Maryport  
Cumbria

**Bracknell Breakers**  
Every Sunday at  
The Bridge House  
Wokingham Road  
Bracknell  
Berks

**Braithwell Rig & Twig Club**  
Every Tuesday  
Braithwell WMC  
Sth Yorkshire

**Bramley & District Breakers Club**  
c/o Charles Angal  
2 Nansen View  
Bramley  
Leeds  
LS13 3QE

**Breakaway '81**  
Every Friday night  
The Plough  
South Ockendon  
Essex

**Breaker One Four Club**  
c/o OK Corral  
Napier Barracks  
BFPO 20  
West Germany

**Breaker 21 Club**  
meet Fridays at  
The Greyhound Inn  
Brierfield  
Nelson  
Lancs

**Breakers Town CBC**  
Every Thursday  
c/o The Stanley Club  
Stanley Road  
Carshalton  
Surrey

**Breakers Yard CBC**  
Every Monday at  
St Helier Arms  
Carshalton  
Surrey  
Tel: 01-669 5441

**Bricket Breakers Club**  
c/o Watford Component Centre  
7 Langley Road  
Watford  
Herts

**Bridgetown Breakers Club**  
Meet at Phoenix Social Club  
Heasle Road  
Hull

**Bridport Wally's Club**  
c/o Carinya  
Beach Road  
West Bexington  
Nr Dorchester  
Dorset

**Bristol Breakers**  
120 Beaufort Road  
St George  
Bristol 5

**Bristol CBC**  
1A St Peter's Rise  
Headley Park  
Bristol  
BS13 7LU

**Brook Breakers CB Club**  
Every Wednesday at  
Bedger in the Brook  
Shirebrook  
Mansfield

**Broadland Breakers Club**  
First Sunday at  
White Swan  
Stalham Norfolk

**Bromsgrove Breaker's Club**  
PO Box 9  
Bromsgrove  
Worcs

**Brown Bottle Breakers**  
c/o The White Horse  
Norton Road  
Theltham  
Diss  
Norfolk

**Buckingham Breakers Club**  
35 Addington Road  
Buckingham

**Buggen Bandits CB Club**  
On channel 13  
BFPO 25

**Burns Breaker Club**  
c/o Braebrod Hotel  
Whillits Road  
Ayr  
Scotland

**Bury CBC**  
c/o CB Paradise  
69 Northgate Street  
Bury St Edmunds  
Suffolk

**Bury St Edmunds CB Club**  
69 Out Northgate Street  
Bury St Edmunds  
Suffolk

**Byron CB Radio Club**  
Byron Hotel  
Ruislip Road  
Greenford  
Middlesex

**Caketown Breakers Club**  
Every Sunday at  
The Queens Hotel  
Pontefract

**Campaign for 27MHz AM CB Radio**  
10 Lochneil Road  
Dunbeg  
Connel  
Argyll PA37 1QJ

**Caldicot & Roglet District Breakers**  
c/o Rathenberg's  
29 Skinner Street  
Newport  
Gwent  
meet Sundays at  
The Roglet Hotel

**Calton Hill Club**  
c/o M Murphy  
1F2, 79 Colston Road  
Edinburgh  
EH3 9AW

**Canary City Breaker's Club**  
Meet first Tuesday of month at  
Ebenzers Freehouse  
Salhouse Road  
Norwich

**Canvey Breaker Association**  
c/o 32 Southalls Road  
Canvey Island  
Essex

**Canyon Breakers**  
meet Mondays at  
Sportsdrome Club  
Bolsover  
Cheshire

**Cardiff & District Breakers**  
c/o 15 Stacey Road  
Roath  
Cardiff

**Carlton & Langold United Breakers**  
Thursdays at  
Langold Hotel  
Langold  
Worksop  
Notts

**Carpet Town Breakers Club**  
c/o Stuart Priest  
Flat 2, 3 Lorne Street  
Kiddeminster, Worcs

**Carrick CB Club**  
Tuesday night at  
Carrick Hotel  
Maybok  
Ayrshire

**Castletown Breakers Club**  
29 Graigwen Crescent  
Abertridwr  
Mid Glamorgan

**Castle Breakers**  
c/o Rose & Crown  
High Street  
Tonbridge  
Kent

**Cathedral City Breakers**  
c/o 2 Barryman Court  
Wells  
Somerset

**CB 007 Breakers Club**  
Tuesday nights at  
The Windmill Club  
Rotherham

**CB 4900 Club**  
BFPO 15  
West Germany  
Call on channel 15

**CBA Central Scotland**  
5 Carronvale Avenue  
Larbert  
Stirlingshire

**CBA**  
Coronation Service Station  
Middleton Road  
Hwywood  
Lancs

**CBA Fife**  
16 Bayview Crescent  
Methil

**CBA Reading**  
PO Box 123  
Reading

**CBA Sussex**  
15 Buckingham Mews  
Shoreham By Sea  
Sussex

**CBCB Club**  
103 Southwood Road  
Downside  
Dunstable  
Beds

**CB Cruisers Club**  
PO Box 10  
Llandudno  
Gwynedd  
Wales

**CBGB**  
CB House  
Crosby  
Liverpool

**CB Information Centre**  
7 Sandringham Crescent  
Harrow  
Middx HA2 9BW

**CB Radio Action Group**  
55 Dartmouth Road  
Forest Hill  
London SE23

**Cellar Breaker Club**  
meet Thursdays at  
Drift Bridge Hotel  
Reigate Road  
Banstead  
Surrey

**Central 27 Breakers Club**  
Alternate Tuesdays at  
The Bruce Inn  
Nr Landmark  
Springkorse Road  
Stirling

**Central England Breaker's Association**  
Meet on Tuesdays at  
Staffordshire Volunteer  
Collingwood Road  
Bushbury  
Wolverhampton

**Charnel Snobs FM Club**  
c/o Sappers  
Isfield  
Nr Uckfield  
Sussex

**Charlie Sierra Five-O Club**  
meet Sundays at  
The Plough  
Capel St Mary  
Ipswich  
Suffolk

**Charlie Uniform Club**  
c/o 202 Manchester Road  
Thornton Lodge  
Huddersfield  
West Yorks

**Cheapo Breakers Incorporated**  
c/o 3 Skanley Road  
Maghull  
Liverpool L31

**Cheesy Breakers Club**  
118 St Christopher's Drive  
Caerphilly  
Glamorgan

**Cheltenham Breakers Assn**  
6 Pitville Crescent  
Cheltenham  
Or: The Crown and Cushion  
Bath Road  
Cheltenham

**Chichester & District Breakers Club**  
Every Sunday at  
Bulls Head  
Fishbourne  
Chichester  
Sussex

**China Town Breakers Club**  
c/o 54 Oxford Road  
Pankhull  
Stoke on Trent

**CHUB Club**  
c/o 103 Roseberry Gardens  
Cranham  
Upminster  
Essex  
Meet Elm Park Hotel  
Hornchurch

**CIA/BBC**  
Every Thursday  
The Magpie  
Sunbury on Thames  
Middlesex

**Circle C Breakers**  
c/o The George Hotel  
Crewkern  
Somerset

**City Circle CB**  
Bedford Green  
Horseferry  
Leeds

**Clear Air Association**  
Mondays at  
Woodhays pub  
Wednesfield  
Wolverhampton

**Clog Town Breakers Club**  
33 Fendle Court  
Astley Bridge  
Bolton BL1 6PY  
Tel: Bolton (0204) 50046



<p><b>Clogtown Claypit Breakers Club</b> Aquarius Club Hadden Street Dean Bolton</p> <p><b>Clouds Hill Breakers Club</b> c/o 18 Furbeck View Bovington Camp Dorset</p> <p><b>Club 14</b> Every Thursday at Spotted Cow Willasden High Road NW10</p> <p><b>Club Breakaway</b> c/o 123 Hasler Road Canford Heath Poole Dorset</p> <p><b>Club CB</b> c/o The Club Frant Road Tunbridge Wells Kent</p> <p><b>Clyde Coast Breakers</b> c/o Island Hotel New St Stevenson Ayrshire</p> <p><b>Clydeside Breakers</b> meet last Sunday of month Golden Pheasant Hotel Linwood Paisley</p> <p><b>Clydeside Breakers Supporters Club</b> 62 Rosemount Crescent Carstairs Lanarkshire</p> <p><b>27 Coastline Breakers</b> PO Box 24 Rhyll Clwyd North Wales</p> <p><b>Coastline Breaker's Club</b> Meet every Wednesday at Wash and Toppe Le Strange Terrace Hunstanton Norfolk</p> <p><b>Colditz CB Club</b> c/o Greenway School Doncaster Road Southmead Bristol</p> <p><b>Copy Cats Club</b> The Manager Martholme Grange Altham Accrington Lancashire</p> <p><b>Copy Copy CB Club</b> meet on Mondays at George Inn Morden St Heller Arms Carshalton</p> <p><b>Corn Grinder's Club</b> The Pheasant Inn Windmill Street Britl Bucks</p> <p><b>Cottonmount Breakers Club</b> Alternate Tuesdays at Cottonmount Arms Mallusk Newtownabbey N. Ireland</p> <p><b>County Area Breakers Club</b> 4 Corbett Gardens Ardersier Inverness</p> <p><b>Country Town Breakers Club</b> Angoria Baptist Street Perrygroes Caernarfon Gwynedd</p> <p><b>Cowal Breakers</b> meet every second Sunday at Kingarth Hotel Dunoon Argyll</p> <p><b>CREST Leeds</b> Every Tuesday The Gate Hotel Kendimera Avenue Leeds 14</p> <p><b>Crewe Breakers Club</b> 1 Main Road Crewe Cheshire</p> <p><b>Cromwell Breakers</b> c/o The Winning Pool Market Deeping Peterborough</p>	<p><b>Cuckoo Breakers</b> c/o 51 Llanfach Road Abercarn Gwent NP1 5LA</p> <p><b>Cuckoo Breaker's Club</b> PO Box 2 Penicuik Scotland</p> <p><b>Dare Breakers Club</b> c/o The Yaguborwen Hotel &amp; Country Club Llywdoned Aberdare Mid Glamorgan</p> <p><b>Dark Island Breakers</b> c/o D18 002 PO Box 1 Benbecula Outer Hebrides Scotland</p> <p><b>Dead End City Breakers Club</b> c/o St Olives Grove Road Clacton-on-Sea</p> <p><b>Delta Breakers</b> Sundays at Invicta Co-op Sports Club Burnham Road Dartford Kent</p> <p><b>Den Breakers Club</b> c/o 38 Down Field Way Chaddelewood Plymouth Devon</p> <p><b>Derwent Valley Breakers</b> 10 Prospect Terrace New Kyo Stanley Co Durham</p> <p><b>Deveron Valley Breakers Club</b> Turriff Aberdeenshire AB5 7PG</p> <p><b>Double Barrel Breakers Club</b> meet Tuesdays &amp; Fridays at Commercial Hotel Blackburn Road Church Lancs</p> <p><b>Diamond Breakers Club</b> Diamond Jubilee Club South Kirby West Yorkshire</p> <p><b>The Diamond Breaker's Club</b> c/o 16 West Close Stevenage Herts</p> <p><b>Didcot and District 27 Club</b> Meet first and third Sunday of the month at The Rio Hadden Hill Nr Didcot Oxfordshire</p> <p><b>Ditch Breakers</b> Meet every Monday at The Railway Hotel Netherfield Nottingham</p> <p><b>Dingley Dell Breakers</b> Channel 14 Bransgore between Christchurch &amp; Ringwood</p> <p><b>Dinnington &amp; District Breakers Club</b> Alternate Wednesdays at The Squirrell Dinnington</p> <p><b>Dixieland Breakers</b> PO Box 25 Grimsby South Humberside</p> <p><b>Doctor's Cure Breakers</b> Meet in the Legion Healing Grimsby</p> <p><b>Don Valley Breakers</b> PO Box 41 Doncaster South Yorks</p> <p><b>Dorset Nob Breaker's Club</b> c/o 3 Barr Lane Burton Bradstock Bridport Dorset</p> <p><b>Dragon Breakers Association</b> c/o 70 Florrid Ligwy Moelrh Anglesey Gwynedd</p> <p><b>Dragonside Big Wheelers Club</b> Cross Keys Buckley Clwyd</p>	<p><b>Driffield CB Association</b> c/o 22 Haworth Walk Bridlington East Yorkshire</p> <p><b>Dukeville Breakers Assn</b> 23 Potter Street Workoop Notts</p> <p><b>Eagle Breakers Club</b> c/o 78a Pann Hill Avenue Parkstone Poole</p> <p><b>Earthquake City Breaker's Club</b> DL 71 Rotherham Record Regent House Rotherham</p> <p><b>East Antrim CBRC</b> PO Box 4 Antrim</p> <p><b>East Coast Breakers Assn</b> c/o The Tartan House Frating Nr Colchester Essex</p> <p><b>East Surrey Breakers Club</b> meet Thursdays at Lakers Hotel Hedstone Hill Redhill Surrey</p> <p><b>Eastern Counties Open Channel Club</b> c/o Everards Hotel Cornhill Bury St Edmunds Suffolk</p> <p><b>Eden Valley Breakers Club</b> meet every 3 weeks at The Grapes Inn The Sands Apleby</p> <p><b>Edinburgh Breaker's Club</b> Meet Mondays at Sinatra's Lounge Bar St James Centre Edinburgh Scotland</p> <p><b>Edinburgh CBRC</b> 22 Rose Gardens Edinburgh EH9 3BR</p> <p><b>Este Breakers</b> The Fether Thames Albert Embankment London SE1</p> <p><b>Essex Breakers Convey Club</b> c/o 67 Nobles Green Road Southend Essex</p> <p><b>Essex Citizen's Band Club</b> 34 Bryony Close Witham Essex CM8 2XF Tel: Witham (0376) 513532</p> <p><b>Falkirk and District Open Channel</b> PO Box 15 Falkirk Scotland FK1 1AA</p> <p><b>Farnborough Area Breakers</b> Every Thursday The Oasis Club Alexander Road Farnborough Hants</p> <p><b>Fish Town Sea Bees</b> Meet at Big Wheel Grimsby S. Humberside</p> <p><b>Fitzral Bay DX-QSL Club</b> 11a Edgecombe Avenue Newquay Cornwall</p> <p><b>Five Bridges Breakers Club</b> c/o Barfield Oakville Road Hebden Bridge West Yorkshire</p> <p><b>Five-0 Breakers Club</b> c/o The Sports and Social Club Moors Lane Newton Aycliffe Co Durham</p> <p><b>Five Pools Breaker's Club</b> c/o The Old House at Home Bakelwood Kidderminster Worcs</p> <p><b>Fleet Town Breakers Club</b> c/o 25 Mall Road Tollesbury Essex CM9 8SP</p>	<p><b>Flixton, Urmston &amp; Davy Hulme</b> Good Buddies Assn PO Box 2 164 Corn Exchange Buildings Manchester 4</p> <p><b>Fylde Coast 10-15 Breakers Club</b> c/o Ilawalla Country Club Skippoll Lane Thornton Blackpool Lancashire</p> <p><b>Flying Horse Breakers Club</b> meet Thursdays at The Pegasus Craddock Street Whitmore Reans Wolverhampton</p> <p><b>Forest Park Breaker's Club</b> c/o 1 Tor Street Stoke on Trent Staffs</p> <p><b>Forfar and District Breakers Club</b> Meet every Monday in Stag Hotel Forfar</p> <p><b>Forth Valley Breakers</b> Burns Inn Kennoway Fife</p> <p><b>Fosseway Breaker's Club</b> c/o The Rugby Club Stow on the Wold Glos</p> <p><b>Foxtrot Bravo</b> meet Mondays and Fridays at Joiners Arms Ballards Lane London N3</p> <p><b>Freedom Breakers International</b> 11 June Street Bootle Liverpool Merseyside</p> <p><b>Prog and Nightgown Breakers Club</b> c/o Amberwell Pottersheath Road Welwyn Herts</p> <p><b>Gainsborough Breakers Association</b> Marshalls Sports and Social Club Gainsborough Lincs</p> <p><b>The Garden of England</b> meet Mondays at The Bulls Head Royal Parade Chislehurst Kent</p> <p><b>Give Us A 9 Club</b> Every Tuesday at Hand in Hand Boxbill Surrey</p> <p><b>GK 13</b> D5130 Gallenkirchen West Germany</p> <p><b>Glasgow CBC</b> 361 Health Road Glasgow G33 4RY</p> <p><b>Golden Gate Breakers Club</b> c/o The Oava Restaurant Cliff Road Dovercroft Harwich Essex</p> <p><b>Golf Whiskey DX Group</b> meet 1st Friday of month Rose &amp; Crown Walthamstow London</p> <p><b>Good Buddies Club</b> Alternate Wednesdays at Halfway House Hotel Kingsseat Fife</p> <p><b>Gower Breakers Club</b> PO Box 12 Swansea South Wales</p> <p><b>Gramplan Breakers Club</b> 59 Jasmine Terrace Aberdeen Scotland</p> <p><b>Granite City CB Club</b> 92 Forest Avenue Aberdeen Scotland PH 322073</p> <p><b>Grantham Breakers Association</b> c/o 19 Heathfield Road Grantham Lincolnshire NG31 7NJ</p>	<p><b>Grass Court Breakers Club</b> Every Sunday at The Wagon &amp; Horses Haydock St Helens</p> <p><b>Green Acre Breakers CB Club</b> c/o Benleys Bar 47 Netherkirkgate Aberdeen</p> <p><b>Guildford City Breakers</b> Tuesdays at The Cannon Portsmouth Road Guildford Surrey</p> <p><b>Gwent Breakers Club</b> Meet every Wednesday at The Gladiator Malpas Newport</p> <p><b>Hadleigh and District CB Club</b> c/o 15 Woodthorpe Close Hadleigh meet Fridays at White Lion</p> <p><b>Halfway Breakers</b> 12 Mool Lane Downton Salisbury</p> <p><b>Hangmans Breaker's Club</b> Meet on Thursdays at The Staffordshire Knot Birmingham Road Wolverhampton</p> <p><b>Harrow and Wembley CB Group</b> 25 Greenway Kenton Middlesex</p> <p><b>Hart District React Team</b> c/o Little Hatchwood Farnham Road Odham Basingstoke Hants</p> <p><b>Haverhill Breakers Club</b> PO Box 45 Haverhill Suffolk CB9 8JU</p> <p><b>Hayling Breakers TX 10</b> Every Thursday The Rose in June Hayling Hants</p> <p><b>Hazard County Breakers</b> c/o Oakshaw Hall School Wynd Paisley Renfrewshire</p> <p><b>Hazard County Breakers Club</b> 22 Radcliffe Avenue Chaddesden Derby</p> <p><b>Hazard County Breakers Club</b> Meet first Tuesday of month at Fleet Country Club Surrey</p> <p><b>Heart of Oak Breaker's Club</b> Faltham Road Ashford Middlesex</p> <p><b>Helenaburgh and District</b> CB Club c/o Ardenzaple Hotel RHU Dumbartonshire Scotland</p> <p><b>Hereford 14 Club</b> Meet every Monday at Crystal Rooms Hereford</p> <p><b>Hirward Breaker's Club</b> 17 Merton Fields Ropsley Grantham Lincs</p> <p><b>Herts CB Radio Association</b> PO Box 37 Potters Bar Herts</p> <p><b>Highland Breaker Club</b> PO Box 39 Inverness</p> <p><b>Hillbillys</b> Meet every Friday at The Friand at Hand West Wycombe Road High Wycombe Bucks</p> <p><b>Hornblower Open Channel Club</b> c/o 85 North Street Ripon North Yorkshire</p>
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**Hucknall Welfare Breakers Club**  
Hucknall and Linby Miners Welfare  
Portland Road  
Hucknall  
Nottingham

**Huddersfield FM Breakers**  
meet Tuesdays at  
The Commercial Inn, Paddock  
(approx. 1 mile from town centre)  
meet Mondays at  
The White Horse  
Leeds Road

**Hunters Heath and Orchard Town Breakers**  
c/o Tally Ho Inn  
Broadheath  
Tanbury Wells  
Worcs

**Invitation Breaker's Club**  
Every second Sunday  
The Yorkshire Dragon  
Malby  
Cleveland

**Isle of Man CB Club**  
PO Box EV 77  
Douglas  
JOM

**Ironstone Breakers Club**  
c/o 18 Lunedale Road  
Scunthorpe  
South Humberside

**Jat 148 Breakers**  
c/o 47 Queenstand Avenue  
Sutton Heath

**Jolly Rodger Club**  
c/o PO Box 2  
Lochgelly  
Fife

**Journeys End Breakers**  
Alternate Thursdays at  
Escrick Social Club  
York

**Junior Breakers Club**  
Scout HQ  
Clifford Bridge Road  
Coventry  
1st Thursday every month

**Kent and Essex Breaker's Association**  
Every Tuesday at  
Orsett Hall  
Orsett  
Essex

**Kent and Essex Breakers**  
24 Mill Lane  
West Thurrock  
Essex

**Kingdom Breakers Club**  
PO Box 35  
Glenrothes

**King's Lynn Breakers Club**  
c/o Cellar Man  
Victoria P.H.,  
Kennedy Road  
King's Lynn

**King's Norton CB Club**  
Poste Restante  
GPO  
Lisburn  
Northern Ireland

**Kintyre Breakers Club**  
Sudown  
Tarbert  
Argyle

**LA Breakers**  
Unit 13  
Carlton Industrial Estate  
Hawthorn Avenue  
Hull

**Laker Town Breakers Club**  
Every Tuesday at  
The Cornish Man Hotel  
Wythenshawe  
Manchester

**Lakeside QSL Club of Australia**  
18 Malvina Parade  
Gorokan  
NSW 2263  
Australia

**Langtown Breakers**  
c/o 145 Katrina Crescent  
Kirkcaldy  
Fife

**Laverock Breakers**  
c/o 12 Wilson Street  
Larkhall  
Lanarkshire

**Lazy K**  
Lima Kilo Radio Club  
PO Box 55  
Portadown  
Northern Ireland

**Legal Breaker's CB Club**  
56 Playstool Road  
Newington  
Sittingbourne  
Kent

**Leapool Breakers Club**  
c/o Maid Marion Hotel  
Coppice Road  
Arnold  
Nottingham

**LEBC (Castle Breakers)**  
Pete Beilby  
c/o 189 Derby Road  
Long Eaton  
Nottingham

**Leicestershire CBers**  
c/o Modern Motoring  
68 Narborough Road  
Leicester LE3 0BR

**Leighton Buzzard CB Club**  
c/o Coombe Drive  
Eastcote  
Ruislip  
Middlesex

**Lennox Breakers Club**  
4 Lismore Crescent  
Oban  
Argyll

**Leslie Breakers**  
Mondays at  
The Leslie Arms  
Cherry Orchard Road  
Croydon

**Lighthouse Breakers Club**  
c/o 15 Woodstock Road  
Salisbury

**Lime Bravo DX Group**  
PO Box 11  
Oban  
Argyle  
Scotland

**Lincolnshire, Nottinghamshire, Derbyshire and Yorkshire area Committee (LNDY)**  
8 Sunnyside  
Worksop  
Notts

**Log Breakers**  
Every Monday at  
Log Cabin  
Royal Oak Pub  
Watnail  
Notts

**Lorn Breakers**  
PO Box 11  
Oban  
Argyle

**Lost County Breakers**  
Meet every Tuesday at  
Pete's Paradise  
Windermere  
Cumbria

**Lower Rhondda Breakers Club**  
John Kennedy Street  
Porth  
Rhondda  
Mid Glamorgan

**Lowestoft Jolly Breakers**  
10 Wiltburn Green  
Lowestoft  
Suffolk

**Maldenhead Official Breakers**  
Thursdays at  
The Prince Albert  
King Street  
Maldenhead

**Mansfield Area CB Club**  
c/o James Maude Social Club  
Forest Road  
Mansfield  
Notts

**Market Town Breakers**  
PO Box 2  
Ashford  
Kent

**Marina Breaker's Club**  
c/o 89 Rothessay Road  
Gosport  
Hants

**MCBRA**  
85 Allens Lane  
Pelsall  
Walsall  
West Midlands

**Meon Valley Breakers**  
4 Lawrence Road  
Fareham  
Hants

**Merseyside 27 Club**  
34 Mickfield Road  
Liverpool 15

**Mexico City Breakers**  
The Old Masons Arms  
High Street  
Mexborough  
Yorks

**Mid-Kent CB Club**  
c/o The Orchard Spot  
Spot Lane  
Bearstead  
Maldstone  
Kent

**Midlands CBRC**  
Unit 2  
72 Oval Road  
Erdington  
Birmingham

**Midlands CB Radio Club**  
85 Allens Lane  
Pelsall  
Walsall  
West Midlands

**Milktown Breakers**  
Meet every first Sunday  
Vanity Fair  
Bradford Road  
Huddersfield

**Milton Keynes City Breakers**  
c/o 2 Buckfast Avenue  
West Bletchley  
Milton Keynes

**Molesey Open Breakers**  
c/o Royal Oak  
337 Wailton Road  
East Molesey  
Surrey

**Monkey Town Breakers**  
c/o Victoria Hotel  
Church Street  
Heywood  
Lancs

**Monklands Breakers Club**  
c/o 78 South Commonhead Avenue  
Airdrie  
Lanarkshire  
Scotland

**Moonbase Alpha Breakers Club**  
c/o 2 Newton Road  
Billinge  
Nr Wigan, Lancs

**Moonlight Bay Breakers Assoc.**  
c/o The Great Harry  
Walsash  
Hampshire

**Moray CB Breakers Club**  
c/o Gearchange  
40-42 Moss Street  
Elgin  
Morayshire

**NACB**  
Every Thursday at  
The Commodore International  
Nuthall Road  
Nottingham

**National CB Union**  
PO Box 123  
Reading  
Berkshire

**National Committee for the Legislation of 27MHz CB Radio**  
47b Stonegate Road  
Narborough  
Leicester

**National Federation of Licenced Breakers**  
142 Lutterworth Road  
Nuneaton

**National Independent Pirate Band**  
Heirman Street 37  
Merksem 2060  
Belgium

**Nationwide Breakers Club**  
Tentercroft Street  
Lincoln

**Nero's Breakers Club**  
meet Tuesdays at  
Rose & Crown  
Wandsworth  
London SW18

**New City Breakers Club**  
9 St Leger Court  
Linford Local Centre  
Gt Linford  
Milton Keynes  
Bucks

**New Forest CB Club**  
12 Westcot Road  
Holbury  
Hampshire

**Newton Breakers Club**  
Meet every Tuesday at  
Book and Candle  
Redditch

**Newtown Breakers Club**  
c/o 14 Combrook  
Holland Moor 2  
Skelmersdale  
Lancs

**Newark Breakers Club**  
c/o 173 Barnby Gate  
Newark  
Notts

**Noisy City Breakers**  
Every Wednesday  
Flamingo Night Club  
Darlington  
Co Durham

**North Bucks Breakers**  
The Folly Inn  
Adstock  
Buckingham

**North East Derbyshire 10-4 Club**  
c/o The Shoulder of Mutton  
Hardstoft  
Nr Pilsley  
Chesterfield  
Derbyshire

**North London Breaker's Assoc**  
Meet every Friday  
Midland Arms  
Church Road  
Hendon

**North Notts Breakers**  
c/o 3 Campbell Close  
Worksop  
Notts S81 7QA

**Northampton Breakers Club**  
Wednesdays & Sundays at  
The Needle  
Northampton

**North Sea Breakers**  
c/o 27 Zena Street  
Glasgow

**North Tees Breakers**  
c/o Club Fleets  
395 Norton Road  
Stockton on Tees  
Cleveland

**North Walsham Breakers**  
c/o Bankside  
Lower Street  
Southrepps  
Norwich  
Norfolk

**North West Breakers**  
c/o Ballygomartin Drive  
Ballygomartin Road  
Belfast 13

**North West Breakers Assoc**  
c/o 8 Longhill Walk  
Moston  
Manchester M10 9NT

**North West Leics Breakers**  
PO Box 10  
Coalville  
Leics

**Norwich Social Breakers Club**  
72 Silver Road  
Norwich  
Norfolk NR3 4TD

**Ocean Boulevard CB Club**  
PO Box 8  
Bangor  
Northern Ireland

**Olde Capital Breakers Club**  
c/o 10 Eversley Place  
Winchester  
Hants

**Open Channel CBC**  
17 Coronation Street  
Preston

**Open Channel CB Club**  
17 Coronation Street  
Blackburn

**Out of City Breakers**  
Every Tuesday  
Southall Working Mens Club  
Beighton  
Sheffield

**Outwood & Stanley Breakers Club**  
c/o 17 Auly Crescent  
Stanley  
Wakefield  
West Yorks WF3 4PA

**Over Wyre Breakers**  
Every Thursday  
Fernhill Hotel  
Park Lane  
Prestall  
Nr Blackpool

**Paddock Wood CB Club**  
meet Wednesdays at  
The Saddle Room  
Commercial Road  
Paddock Wood

**Paradise Breakers Club**  
Meet alternate Mondays at  
The Beaumont  
Park Estate  
Shiremoor  
Tyne and Wear

**Pendle CB Supporters Club**  
110 Barkerhouse Road  
Nelson  
Lancs

**Pennine One Nine Club**  
29 Legrams Avenue  
Lidget Green  
West Yorkshire BF7 2PP

**Pensioners Inn Breakers**  
meet Wednesdays at  
Harehills Labour Club  
Florence Street  
Leeds 9

**Petersfield United Breakers**  
Every second Monday  
The Square Brewery  
Petersfield  
Hampshire

**Perthshire CB Radio Club**  
c/o The Royal Three Tuns  
Perthshire  
Worcestershire

**Pigs Breakers Club**  
c/o Formula 1  
15 Holmes Avenue  
Raunds  
Northants

**Pirates**  
Meet every Thursday at  
The Mill  
Halfway  
Sheffield

**Pirate Breakers CB Club**  
c/o 67 Oak Street  
Rhydyfelin  
Pontypridd  
Mid Glam

**Platetow Breakers Club**  
Every Monday  
Phoenix Club  
Grange Road  
London E 13

**Popular Breakers Club**  
29 Puttenham Road  
Sherfield Park  
Chineham  
Basingstoke

**Pork Pie Breakers Club**  
c/o 6 Snow Hill  
Mellon Mowbray  
Leices

**Prestige Breakers Club**  
meet Wednesdays at  
The Goldsmiths Arms  
East Acton Lane  
East Acton  
London W3

**Pudsey CB Radio Club**  
54 Harley Drive  
Swinnow  
Leeds

**Purbeck One-Nine Club**  
Every other Tuesday at  
The New Inn  
Church Knowle  
Dorset

**Quaker Town Breakers' Club**  
c/o 70 Long Horse Croft  
Saffron Walden  
Essex  
meet S W Town FC  
Catons Lane  
Saffron Walden

**Queen Adelaide Breakers**  
meet Mondays at  
Queen Adelaide Pub  
Kingston Road  
Ewell  
Surrey

**Quiet Breakers Club**  
8 Wedgewood Road  
Cheadle  
Stoke on Trent  
Staffs

**Rainbow Breakers**  
c/o PO Box 56  
Cookstown  
Co. Tyrone  
N. Ireland

**Rayleigh Breakers Club**  
meet on Fridays at  
Rayleigh Weir Public House  
Rayleigh  
Essex

**R & B Club**  
PO Box 4  
Stranraer  
Scotland

<p><b>REACT UK</b> 10 Buckingham Way Sharnford Leicestershire</p> <p><b>Red Cat 14 Breakers Club</b> c/o Red Lion Derby Road Sandiacre Derbyshire</p> <p><b>Redditch Area CB Club</b> 88 Haddonfield Close Churchill Redditch Worce Tel: Redditch (0527) 57063</p> <p><b>Redhill Radio Breakers Club</b> c/o The Ram Inn Mansfield Road Redhill Nottingham</p> <p><b>REM</b> c/o 66 Chapel Street St Helens Merseyside</p> <p><b>Rhine Cuppers CB Club</b> On channel 13 BFPO 40</p> <p><b>Rhonda Breakers Club</b> 35 Shady Road Gelli Rhonda Mid Glamorgan</p> <p><b>Rhythm and Blues Club</b> The Bell Hotel Botesdale Nr Diss Norfolk</p> <p><b>Richmond &amp; District Breakers</b> Friday nights at Black Horse Richmond</p> <p><b>Ringway Sideband Club</b> Every Thursday at Bancroft Hotel Wythenshawe Manchester</p> <p><b>River City Breakers Club</b> c/o 38 Worcester Road Burnham-on-Crouch Essex</p> <p><b>River Exe Breakers</b> c/o 149 Willycombe Village Road Exmouth Devon</p> <p><b>Riverside Breaker's Club</b> Every Friday at the Redcroft Hotel Bo'ness West Lothian Scotland</p> <p><b>Riverside Breakers</b> c/o 1 St Lukes Grove Humberstone Grimsby South Humberside</p> <p><b>Road Apple DX Club UK</b> SAE to Robert RA 68 c/o Top Ear London Road Eaton Socon Hunts</p> <p><b>Rolling Stones Breaker's Club</b> The Moss Cottage Nottingham Road Ripley Derby</p> <p><b>Roger Roger Club</b> meet Mondays at Duntops Sports &amp; Social Club Skalmersdale</p> <p><b>Roman City Breakers Club</b> c/o 29 Keston View Whiteaway Bath Avon</p> <p><b>Roman Road Breakers</b> Tuesdays at Oakway Arms Harworth Nr Doncaster</p> <p><b>The Rooftop Breaker's Club</b> Every Wednesday at the Gonildota Ballon Woods Nottingham</p> <p><b>Round Table Breakers Club</b> c/o 14 Field End Kings Worthy Winchester</p> <p><b>Roxton Breakers Club</b> 56 The Lane Wyboston Beds MK44 3AP</p>	<p><b>Royal T Breaker's Club</b> c/o 3 Manse Street Tain Ross-shire</p> <p><b>Rubbertown Moon Rakers CB Club</b> meet at Forest Arms Sandridge Road Melksham Wiltshire</p> <p><b>St Neots Breakers Club</b> Every Thursday at St Neots Working Mens Club Hardwick Road Eynesbury St Neots</p> <p><b>Saddleworth Breakers Club</b> Every Monday at Well Li Pub Saddleworth</p> <p><b>Sandwell Area CB Club</b> 4 Baldwin Close Twidale Way West Midlands</p> <p><b>Sandy City CB Breakers Club</b> c/o 56 Position Road Southport Merseyside</p> <p><b>Saundersfoot and District Breakers Club</b> 14 Rye Islands Place Kilgetty Clyed SA86 0UX</p> <p><b>SCANHB</b> c/o The Woodman Nulhamstead Herts</p> <p><b>Swinnill City Breakers Club</b> PO Box 3 Elgin Morayshire</p> <p><b>Scarlet Town &amp; District Breakers Club</b> meet Tuesdays at Moonraker Night Club Llansil</p> <p><b>Scottish Truckers Club</b> c/o 3 Connon Crescent Bridge of Allan Strling</p> <p><b>Scillonian Breakers Club</b> The Secretary 2 Trinity Cottages St Marys Isles of Scilly</p> <p><b>Sedgefield Breakers Club</b> c/o 4 Pine Ridge Avenue Sedgefield Co Durham</p> <p><b>Seven Towers CBC</b> 15 Camduff Drive Ballymena Co Antrim</p> <p><b>Sewern City Breakers Club</b> c/o PO Box 2 Shrewsbury</p> <p><b>Sevenside Breakers</b> c/o 51 Templeway West Lydney Glos</p> <p><b>Siezza Hotel DX Club</b> c/o 20 Grangeton Avenue Rossington South Yorkshire</p> <p><b>Singing Wheels CBC</b> c/o 2 Grenafen Cross Tavistock Devon PL19 9ER</p> <p><b>Shannock Town Breakers</b> c/o 15 Birch Grove Sunway Park Sheringham Norfolk</p> <p><b>Shaw and District Breakers</b> PO Box 2 Shaw Oldham</p> <p><b>Sheaf Valley BC</b> c/o 27 Ashberry Gardens Sheffield</p> <p><b>Shustoke and District Breaker</b> Alternate Tuesdays Shustoke Village Hall Shustoke Birmingham</p> <p><b>Skywave Breakers</b> meet at Guide Post Hotel Springwell Village Washington Tyne &amp; Wear</p> <p><b>SLAB 27</b> PO Box 71 Sidcup Kent</p>	<p><b>Smokey Town Breakers Club</b> Flat Iron Hotel Salford Precinct Salford Manchester</p> <p><b>Smokie Town Breakers</b> 103 Demondale Road Arbroath Angus Scotland</p> <p><b>SOFT UK CB Set</b> Channel 11 2nd Friday and 4th Saturday of the month</p> <p><b>Southend &amp; District</b> c/o 310 Station Road Westcliff-on-Sea Essex SS0 00Z</p> <p><b>South Birmingham CB Club</b> Meet fortnightly at Solihull Civic Hall Solihull Birmingham</p> <p><b>South Side Breakers</b> c/o Jean Armour Bar Shawlands Glasgow</p> <p><b>South Side Breakers</b> PO Box 8 Castletown Isle of Man</p> <p><b>South Somerset Breakers</b> c/o 19 Vincent Street Yeovil Somerset</p> <p><b>South Tees DX Club</b> c/o 73 Tawney Road Eaton Middlebrough Cleveland</p> <p><b>South Wales Action Teams</b> 16 Lanely Park Talbot Green Pontyclun Mid Glam</p> <p><b>South Wales Big 10-4 Club</b> 139 Mansell Road Menzelton Swansea</p> <p><b>South Wales 10-100 Artists Club</b> Tuesday nights at The Landing Strip Swansea</p> <p><b>South Wales Federation of Breakers</b> c/o 74 Beech Court Gilfach Bargoed Mid Glamorgan</p> <p><b>South West Lancs Breakers Club</b> c/o 14 Cornbrook Holland Moor 2 Skalmersdale Lancs</p> <p><b>South Yorkshire Breakers Club</b> c/o 21 Jewitt Road Kimberworth Park Rotherham South Yorkshire</p> <p><b>Stag Town Breakers Club</b> Every Thursday at Courtlands Social Club Thorpe Road Belfamy Road Estate Mansfield Notts</p> <p><b>Steelton Breakerways</b> c/o 12 Keelby Road Southhorpe South Humberside</p> <p><b>Stour Valley Breakers</b> c/o The Red Lion South Street Manningtree Essex</p> <p><b>Stourport-On-Severn Breakers Club</b> Every Sunday at The Old Anchor Stourport</p> <p><b>Strangeways</b> c/o 5 Ashbrook Road Dagenham Essex</p> <p><b>Studley Breakers</b> c/o Studley Arms Studley Green High Wycombe Bucks</p>	<p><b>Summer Wine Breakers</b> Every other Thursday at the Burnlee Working Men's Club Holmfirth</p> <p><b>Sundowners CB Club</b> c/o 7 The Crescent Leansdean Morpath Northumberland</p> <p><b>Swan Valley Breakers</b> c/o 133 Nalders Road Chesham Bucks</p> <p><b>Swindon CB Club</b> 23 Affeck Close Foot Hill Swindon</p> <p><b>Tango Foxtrot Charlie International DX Group</b> PO Box 14 Heywood Lancs</p> <p><b>Taunton Deane CB Club</b> c/o 19 Trinity Street Taunton Somerset</p> <p><b>Tayside CB Club</b> c/o 271 Fintry Drive Fintry Dumfries</p> <p><b>Telford CBC</b> Tel: Telford 803474</p> <p><b>Test Valley Breakers Club</b> PO Box 27 Andover Hants</p> <p><b>Thames Area Breakers</b> c/o 81 Villas Road Purfleet SE 18</p> <p><b>Thames Valley Breakers</b> c/o 18 Brunswick Street Reading Berks</p> <p><b>Thamesdown Transceivers</b> Every Monday Swindon Town Football Supporters Club</p> <p><b>Three Feathers Sidebanders</b> c/o 269 Ball Road Llanymyny Cardiff</p> <p><b>Timber Town Breakers Club</b> c/o Holly Hill Cottage Valley Road Cydarford Glos</p> <p><b>Toadown Breakers Club</b> Meet every Sunday at Bridgford Inn Howay Nr Llanrindod Wells</p> <p><b>Tunbridge Wells CB Assoc</b> Monday evenings at the Robin Hood Tunbridge Wells</p> <p><b>TURBO</b> c/o 16 Mendip May Downley High Wycombe Bucks</p> <p><b>Tweed Valley Breakers Club</b> c/o 72 Beech Avenue Galashiels</p> <p><b>TWINS</b> c/o 5 Nuthatch Drive Earley Reading Berks</p> <p><b>TX21 CB Radio Club</b> PO Box 21 Leyland Lancs</p> <p><b>Uckfield Breakers Club</b> c/o Kin House High Hurstwood Uckfield Sussex</p> <p><b>UK International Radio Group</b> PO Box 13 Long Eaton Nottingham</p> <p><b>Untouchables</b> 299 Manchester Road Kearsley Botton Lancs</p> <p><b>Uttoxeter Breakers Club</b> c/o 32 Goldhurst Drive Lower Tean Stoke-on-Trent Staffs</p>	<p><b>Walsall CB Radio Club</b> c/o 6 Central Close Blowich Walsall West Midlands</p> <p><b>Waterables Breakers Club</b> c/o 17 Furzey Road Upton Poole</p> <p><b>Wellingborough Breakers Club</b> Wednesdays at Dog and Duck pub Wellingborough</p> <p><b>Wessex Open Channel</b> PO Box 108 Melksham Wiltshire</p> <p><b>Wessex Glamorgan Breakers Asen</b> 25 Plass Newydd Baglan Moors Port Talbot West Glamorgan SA11 7DF</p> <p><b>Westcliff Breakers Club</b> PO Box 39 Westcliff-on-Sea Essex</p> <p><b>West Glamorgan Breaker's Association</b> 25 Plass Newydd Baglan Moors Port Talbot West Glamorgan South Wales Meet on Wednesday nights at 125 Club, Port Talbot</p> <p><b>Windmill Town Breaker's Club</b> meet alternate Wednesdays at The George Hotel Crabbrook</p> <p><b>Wizard of Oz CB Club</b> PO Box 8 Oswestry Shropshire</p> <p><b>Woking Centre Breakers</b> c/o Jovial Sailor Ripley Surrey</p> <p><b>The Wolfpack Breakers</b> meet Wednesdays at Hounslow Football Club Denbigh Road Hounslow Middlesex</p> <p><b>Woodpecker DX Group</b> c/o Kim (Group Co-Ordinator) PO Box 39 Hereford HR1 2YL</p> <p><b>Worce End Breakers Club</b> c/o The Shoulder of Mutton Hotel Pound Street Wendover Bucks meet every Monday</p> <p><b>Worth Valley Breakers</b> c/o 8 Carlisle Street Parkwood Kelghley Yorks</p> <p><b>Wye Valley Breaker's Club</b> c/o CB Centre 108 East Street Hereford</p> <p><b>Wyre Forest Breakers</b> 19 Chawson Pleck Chawson Estate Droitwich</p> <p><b>Yate and District Breakers</b> meet Wednesdays at Yate Entertainment Centre Club address: 25 Coiswold Road Chipping Sodbury Yate Avon</p> <p><b>Yorkshires Elite Breakers</b> Falway Inn Birley Sheffield</p> <p><b>Young Aldershot Area Breakers</b> Meet every Wednesday Oddfellows Hall, Aldershot</p> <p><b>Young Breakers Asen</b> 22 Romley Crescent Botton Lancs</p> <p><b>Zebra County Breakers</b> Post Office Sibie Heddingham Essex</p>
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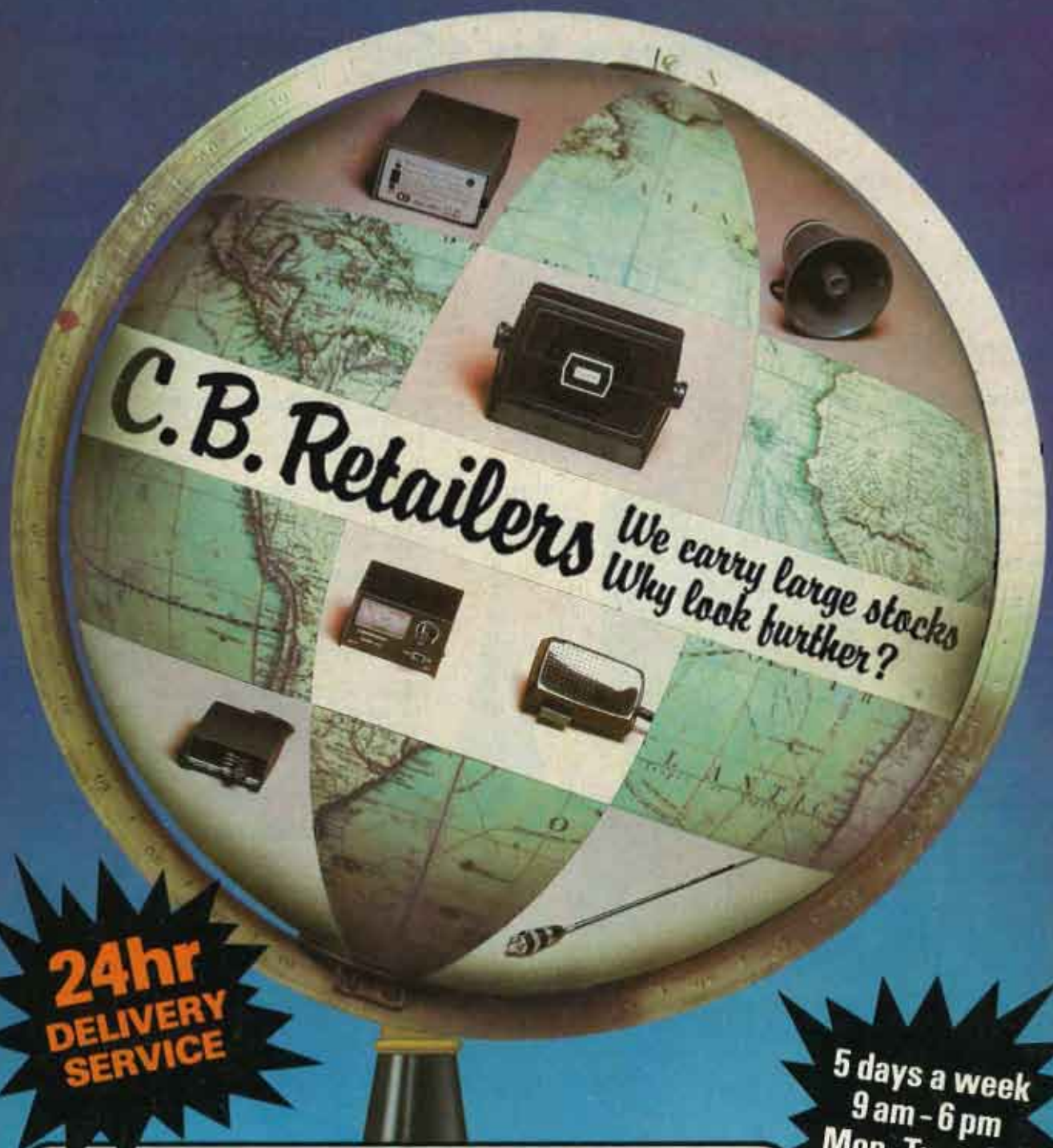
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