

MARCH 1982 80p

BREAKER

THE CITIZENS BAND
RADIO MAGAZINE

**COPIES AND ROBBERS -
RIG SECURITY**

**COMMUNITY RADIO -
THE NEXT STEP?**

**FLYING HIGH -
BLUEBIRD ON TEST**



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Contents

BREAKER

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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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Welcome to credit country. Cover and spread — Ford supplied the car, Claire held the mike and David Leigh pressed the button. Bluebird spread — shot by Norman Hodson. Good job they're in season.



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Ratchet jaw

There were many arguments levelled against CB before its legalisation — some absolutely ridiculous and supported by people who really should know better — but the most common was that the service would be misused and abused. The Authorities hinted at it, but didn't like to make too much noise about it: We, the Great British Public, simply weren't trusted with the freedom of such an open form of communication. Those of us who believed in the merits of CB, and the right of everyone to have access to it, disputed the argument and eventually the authorities were won over. But unless things improve after these few months of legal FM, they will be able to say 'We told you so'.

Now all that might sound a bit melodramatic, and we all know that there is a minority who seem to derive some sort of perverse pleasure out of screwing things up for everyone else, but that minority are causing so much havoc — and getting so much publicity from the press — that it is doing irreparable damage to the name of CB.

By definition, CB should be available to, and enjoyed by, everyone. Before legalisation, breakers were part of a sort of exclusive club — and that still exists, to some extent, on AM and sideband — but the legal service has something to offer all the community and unless they feel able to accept it and support it, every part of the system will be hit and it will die.

So what is the problem? Some of it can certainly be put down to novelty and hopefully, if we ignore them, the wallies will go away and CB will settle down. For those of you lucky enough not to have come across the wallies, they are the morons who whistle, play music or use offensive language over the air. Their mental age is around eight or nine. Collectively. And that's why they can't get above four letters to the word of string together the odd sentence occasionally.

We don't find their language particularly offensive — we receive approximately ten letters of complaint for every one which creeps into Breaker — but it's pathetic when you consider they have paid around 100 notes to bellow rude words to some unsuspecting lady or child. And yes, we do know that some of the abuse comes from the kids, but they hardly need encouragement, do they?

Since Breaker is available nationwide, some of you won't have come across the problem and we would like to assure those of you who are new to CB that it by no means renders the service unusable. But just one case of walliness can screw things up for a lot of people and, as is always the case, the minority of abusers get far more

publicity than the thousands who use it responsibly. But even given that it is a short-term nuisance, what action can be taken in the meantime?

We don't want to harp on too much about the national press coverage, but it's worth remembering that while *Breaker* — and the other so-called CB magazines — are read by you, who already have an interest in CB the millions of potential future users get all their information from the national rags and TV.

It was a bit difficult to find among stories about Britain being gripped by the arctic hell and updates on Erika Roe's journey down Mammary Lane, but the *Daily Mirror* turned a critical eye to CB last month in their regular Close-Up feature. While you drink in every word and sentence in *Breaker* (you do, don't you), papers like the *Mirror* tend to be read less attentively and often readers take a good deal more notice of headlines than the actual stories. Just to set the scene, their headings ran: 'Obscene breakers turn the air blue' and 'The bad buddies'. Might not win awards, but they certainly get the message across.

The main story centred around parents who had bought rigs for their kids for Christmas — and then promptly returned them, when they heard some of the language used on channel. 'My children were delighted with the set but I was horrified when I tuned in,' one 'irate father' is quoted as saying.

To be fair to the *Mirror*, they didn't over-sensationalise the story and went to some lengths to make the point that offenders can be traced and prosecuted. Those who were, or still are, involved with AM will know that British Telecom have some very sophisticated equipment to trace offenders and the Home Office have the powers to prosecute anyone contravening the code of conduct printed on the licence.

'Anyone found guilty of using obscene language could have their licence and set confiscated and face a fine of £400, or three months jail,' say the Home Office. So all cases should be reported immediately to The Radio Interference Service, British Telecom, Waterloo Bridge House, London SE1.

The problem, as those who've used AM without being busted will also know, is that tracing offenders is very costly and time-consuming, however sophisticated the equipment. And as the Home Office has told us before, CB is not a priority service — unlike TV, complaints about which will be acted upon immediately. One reader called us and claimed that when she complained to the Home Office about obscene language on channel she was told that we've got what we wanted, and it's up

to us to look after it. She asked if that meant they could form a vigilante group in their area to police the airwaves — and claims that she was told they could.

We should stress that even if that is the private view of the authorities, that is by no means their official line. And we would also add that we don't believe that is the right way to go about things. We've heard from clubs and individuals in many areas who have bought DFing equipment in a bid to trace the wallies and take . . . action of an undefined nature, shall we say. This is considered by some of those taking part to be A Good Game — but unfortunately it is also becoming a form of sport for the wallies, who use all manner of elaborate methods to evade their persuers. The result is that the wallies are still there — they just become more organised and an even bigger pain in the ear.

And what happens if the offenders are tracked down? What action can be taken? Again things are starting to get ugly with breakers taking the law into their own hands: Hurling abuse, and objects of a more substantial nature, might make you feel a bit better, but the authorities will come down a lot heavier on you for assault than on the nurd who was shooting off at the mouth in the first place.

The only answer is to report the offenders immediately — to the police and interference service mentioned above — and keep on reporting them until action is taken. If you know where they live, give the authorities their address, but don't approach them yourselves. It'll do you more damage than them. Remember you can't prove they were breaking the law, but if you attack them, verbally or physically, you're in the proverbial, chum.

For their part, the authorities must take action immediately. The majority of breakers want to use CB responsibly and enjoy it. But unless action is taken soon, vigilante groups will be formed — Joe Public has waited too long for a legal CB service just to sit back and let a handful of turkeys foul it up.

Still on gloomy bits, I'm afraid. The pathetic types who seem to get a buzz out of using obscene language on the air usually get fed up if they are ignored, but there is another type of person, who is a lot more dangerous.

Again, we don't wish to be alarmist but remember that if you are having a conversation with someone over the airwaves, any number of people could be listening in. And if you — and this applies particularly to ladies and kids — give out too much information, it could mean trouble. Sexy Lady might be well-used to phoning Stocking Tops to tell her about last night's

steamy encounter with her boy friend — but discuss it on CB and let slip an address or phone number and . . . see what we're getting at? We're not suggesting that every lady breaker in the country is using her rig to relay details of her sexual conquests far and wide but any women or child, particularly if they're on their own, is easy prey to any crank who can switch on a rig. So just be wary about giving out your real name, address or phone number and don't arrange eyeballs on your own — or, in the case of kids, without letting your parents know. God, this is getting depressing . . .

More bad news. Woe, woe and thrice woe. Beware the Ides of March. We all know the antenna specs are the silliest thing to be dreamt up since Open Channel, right? And we also know that a good many of you nurty leetle theengs are taking about as much notice of them as you do the weather forecast. Particularly if you are running home base. Trouble is, the authorities are catching on too and busts are taking place in our neck of the woods and elsewhere.

Some of them were asking for it, to be honest. A 26 foot antenna on a 30 foot pole strapped to the chimney is less than subtle, right? It's too early to know just what action the authorities will take, but even if it's only confiscation and a slap on the wrist, half-waves and directional beams don't come cheap. Just thought we'd mention it. Those with less ambitious arrangements hidden in the loft can be recognised by their smug smiles, incidentally . . .

Think that's enough gloom and despondency for one month, so we'll leave you to find something on a cheerier note elsewhere in the issue. But if the wallies still haven't grown out of their games in your area, we'd be interested to hear what kind of response you get from the authorities when you report them. Can't see all these ten quids going to waste, can we? Or maybe it's being used to set up the licencing HQ in Chesterfield . . .



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B3

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.

Top marks

Dear Breaker,
In your December issue Mallard, in the British forces in Germany, says that she has spent a lot of money on rigs that are useless. Unfortunately she, like a lot of people, tend to go out and buy the first rig available — which is probably totally useless for the job for which it was intended.

If she had sought advice from any of the countless thousands of English speaking breakers in Germany, she would have been told that, apart from the minority, AM is the mode that we all use. CB is fun out here. I would suggest that she gets hold of Bayern Bob's booklet and she can see that there are English speaking breakers in almost every town in Germany. CB clubs, both Forces and civilians, are great going concerns, and do a lot for Anglo-German relations and local charities.

I'm sorry that she is disillusioned with CB, but if she would only look and listen she would find out that CB over here is great.

*Captain Beaky
13 Signal Regiment
BFPO 42*

(Mallard couldn't get the right information because she couldn't get in contact with any breakers. Let's hope she's sorted it out now.)

Open channel?

Dear Breaker,
I would like to bring to your attention the article in your December issue headed 'Practice makes perfect'. The Open Channel Emergency Aid Network objects most strongly to the paragraph on emergencies and assistance.

Your suggestion that channel 9 be used for all emergencies, no matter how trivial, will undoubtedly lead to utter chaos on channel 9. This channel is supposed to be used only in life and death situations: ie bad traffic accidents.

Our suggestion to you is, instead of telling breakers to shout on channel 9 for a late night chippy, to inform them of the correct procedure when a 10-33 is put out so that we can do our utmost to avoid delays in

emergencies.

Also, on the contents page of the same magazine is a reference to CB now being legal. How can we expect to teach young breakers coming on the air the importance of not swearing when you print such words in bold type at the bottom of the page, so please let's all strive to give CB a good name and leave those sort of remarks to the people who don't know any better.

*Mrs J Maybury
Buckley
Clwyd*

(Firstly, it is generally taken that channel 9 is not just for life or death emergencies — it is for requesting help, and as soon as your call is answered you move to another channel. What's more, serious calls always take precedence.)

Slang 'em high

Dear Breaker,
After reading the 10-77 from RJW in Dorset, I have come to the conclusion that it isn't a CB radio that he wants — it's a telephone! Perhaps someone should enlighten him as to what CB is and how it originated (without breaking too many of his bones!)

The 'stupid American 10-code', as he calls it, was designed to save time on the air and if RJW takes time to learn the basics I'm sure he'll find that it does save time.

If RJW still insists on using straight talk, and insists on whoever copies him using straight talk, then a lot of breakers will just think of him as 13-1 and at the end of it all it might be a good idea for RJW to take up gardening and talk to his plants. You've got a great mag, keep it up.

*Bush Doctor
Aberdeen
Scotland
(Why 'Bush Doctor'? Have you been looking up old friends?)*

Gas station

Dear Breaker,
After seeing the movie 'Hot Rod', which featured a CB radio station, I was thinking why can't we have something like that over here? It would make the chicken box a bit more entertaining.

*Hammerhead
Simshill
Glasgow
(There are a few radio shows for breakers — we'd appreciate details of any others.)*

Take note

Dear Breaker,
Do you think it possible that rig manufacturers, and perhaps retailers, could include a note to new breakers, pointing out that we don't chat up the birds on 14, or play Adam and the Ants latest single on 19?

Some people have a total disregard for the conventions of CB and they seem unaware that they are playing into the hands of the 'anti brigade'.

Another worrying aspect is the habit of young breakers giving their addresses and family circumstances over the air. By the law of averages, not all good buddies can be good buddies.

*Blue Jay
Eccles
Lancs
(Not much we can do about the wallies, but kids take note. Never give your real name and address over the air.)*

Licence to . . .

Dear Breaker,
I would like to know why a dog can foul pavements for 37½p when we must pay a £10 licence fee for harming no-one. I have nothing against dogs, especially for the blind, but I feel such a large licence fee for us is stupid.
*Pink Panther
Seaham
County Durham
(With public loos costing 5p these days, maybe it would make sense for all of us to buy dog licences and use the pavements . . .)*

Brigade aid

Dear Breaker,
Would you please publish this thank you note to the channel 9 monitor in the Dartford 20, who got the fire brigade out within three minutes of my 10.33.

I am new to CB and was extremely impressed with the way he handled the emergency.

*Hi to Mighty Mouse and Pint Pot.
Captain Biggles
Dartford
Kent*

Straight talk?

Dear Breaker,
I have been using CB radio for about six months and I think the other legal frequency, 934 megs, should be used without the jargon and with proper radio procedure such as call signs, 'Q' codes, etc.
*Hell's Angel
Harrow
Middlesex
(It looks like 934 will attract more professional users — doctors, small businesses and the like — as well as private operators, so maybe things will be different.)*

21 today

Dear Breaker,
Yesterday I purchased an FM rig, a Harvard 410T, and it's rated at 2w output. I thought FM would have a restricted range but on my third copy I achieved a copy to a Breaker at Bwlch Mountain, a distance of 21 miles. Not bad, eh?
*D W Difford
Mid Glam
Wales
(We're planning a DIY mountain project for a future issue.)*

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
(Sounds a sensible idea to us — but would it keep out the wallies? Let us know what you think, sidebanders.)*

Lights out

Dear Breaker,
As the owner of a 'Rotel' RVC240 CB Rig I was surprised to read on page 34 of your January issue that 'there is no TX light on the 240'. . . There is, of course, an excellent RX-TX display contained at the top corner of the channel display.
*Kermit
Upminster
Essex
(Yes, we know. Kermit is about the 93rd person to tell us this, but as the lights on our set didn't work and they weren't listed in the specs we'd have to be mind readers to find them. This correspondence is now closed.)*



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Give us a break

High hopes

Dear Breaker,
Having now tried what HMG reckon is the best frequency for CB in this country I think HMG have the biggest con going. I have two legal rigs, one home base and one in my wrapper, and having given the system a good try out, my answer is forget it! The simple thing is: (a) Under the legal system, there is not enough power output from the rigs and; (b) the twigs cannot be any use when restricted to an ERP of 2 watts and a height not more than seven metres.

My answer is for HMG to allow a maximum eight watts output from the rigs and a centre or top loaded twin.

Yorkie Bar
Salisbury
Wiltshire

(Don't want much do you? The worst thing is the restrictive antenna specs. A decent spec would go most of the way to solving the range problem without extra power.)

Getting piccy

Dear Breaker,
I would like to say that I, and most women breakers, couldn't agree more with the lady breaker in your January issue, 'Farm Maid' from Herts.

First of all, why do all magazines and papers have to have women revealing themselves? I thought CB magazines started off quite good but now they are joining the band wagon. Do you give us a handsome man revealing all of his parts to get us to buy a CB, Antenna or microphone? No!

So please, please, on behalf of all us women, cut out the ruder nuders or give us some real handsome men. After all we women do like to take an interest in our boyfriends/husbands hobbies, and how do you expect us to spoil them and buy them the goods when we have to look at a nude lady? So come on, stop the rudies — or give us some pictures and not just a hairy chest!

Name and address withheld (Interesting to note that all the letters we've received from ladies complaining about the naughty bits go on to suggest naughty pics of men ...)

Winter boots

Dear Breaker,
Having the exact quoted price of a legal 40 channel CB in my pocket and not a brass farthing more, I have not purchased this month's Breaker, so I don't know if you have published my letter. I gather not as I haven't received two quid to help me join the local club.

Re Rigmender and his worries on burners — guns do not kill, the user does. It's the same with burners. Golden Rule: If you can hear, can interfere, DON'T send.

What worries me is the number of newcomers who might not be so considerate. Hogging a channel is not clever.

Red Griffon
Dyfed

PS Anyone I inadvertently swamp may complain direct to me and I will endeavour to rectify — I intend to register and publicise my call sign. Going Ham is not viable with the existing City and Guilds because I do not want to mend or build equipment. I only want to use it.

(Trouble is, nurds use burners too. Maybe a sideband feature will help to clear things up. And maybe it's time to look again at the ham laws ...)

Mum's the word

Dear Breaker,
As a new breaker, I would like to say how much I enjoy your magazine. Very amusing, OK, grovelling over. I've bought a rig — the candles I burn are too numerous for a birthday cake — and I would like to encourage other mums to involve themselves with their children's interest. I have eyeballed many CBers, joined a club, and it's added another perspective to my life.

I am somewhat disappointed that we seem to get quite a few breakers who let their mouths hang loose and spoil it for the rest of us. I think it's bad for children to listen to some of the filth that is transmitted, especially in the Epsom area. So Epsom breakers please clean it up.

Lucy Locket
Banstead
Surrey
(Mother has spoken.)

Rip-off

Dear Breaker,
These new FM rigs are one big rip off. I think a lot of breakers will agree that the prices are far too high for 40 channel sets. The same happened a few years back with the AM sets when they were first brought into this country — now the prices are less than half.

I suppose when these firms have made their first million, they'll drop their prices a bit. In time we'll get them with a packet of corn flakes.

I dread to think what they would be charging if HMG had given us SSB.

The Jackal
Hartlepool
Cleveland
(Think you'll find the profit margin on rigs is no higher — and in some cases lower — than on other electrical items. Can't see prices going down much but even if they stay where they are, inflation will do the rest.)

Child's play

Dear Breaker,
I felt I must express my dismay at

the way CB is being misused in the West London Area.

We have a proliferation of home base sets which virtually jam channel 14. To find out who they were I conducted a test. Out of 15 copies which I made on channel 14 in 30 mins, the breakers who replied were under 15 yrs old in 13 instances! Only two were serious breakers.

The 'code of practice' already seems to have been exterminated by a large number of breakers — please let us have some sanity.

A Disillusioned Breaker
Middlesex Breakers Club
(Children have as much right to use CB as anyone else — there's no reason to say they're not 'serious'. The way to get round the problem, which includes adult wallies, is to educate people. Or sew their mouths up.)

Let us praise

Dear Breaker,
I feel that Breaker magazine does not realise that Rotel rigs are not just impressive looking pieces of equipment, but do in actual fact outshine lots of other well known names.

I could write page upon page enthusing over this rig, which I am using as a homebase with a loft mounted K40 antenna on a gutter mount fitting, with a ground plane made up of 2x6 ft lengths of steel angle irons in the form of a cross.

The furthest contact to date was with a mobile breaker, The Falconer, in Saltburn (Cleveland) a distance of some 35 miles to a beautiful signal of 4 lbs being received by me, and according to the Falconer he was receiving a signal of 5 lbs from me. But guess what rig he was using! Yes, you've guessed it, a Rotel RVC 230.

Camera 1
Stanley
Co Durham
(If we were suspicious we'd say Camera was being paid by Rotel — but as we're not, we won't.)

More monitors

Dear Breaker,
I'm getting a bit tired of seeing REACT relentlessly, and almost exclusively, plugged in just about every CB magazine including yours.

What's wrong with giving all the other emergency monitoring services a decent mention, such as THAMES, EARS etc? Many, if not all, of which have free membership and operators who are just as zealous in their support.

REACT is an excellent organisation, but then, so are the rest. Please, let's not have a monopoly — just fair, across the board coverage.

Quark
Mitcham
Surrey
(Funny you should say that ... etc. etc. Check out last month's monitoring feature — and there's more to come.)



The philistines had captured Samson and while the hearts of the people were merry they said.... "call Samson out to entertain us"



FM POWER



RK 76



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Power Plus Microphones

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Lowdown

Helping disabled

There's nothing like a bit of response from a feature to give you that warm feeling inside, and no, we're not talking about the effect of a good curry.

This stems from the disabled feature we did a few months back and the news bits we've done since then. Never in the field of Breaker journalism has so many letters been received by so few for one feature. The response has been enormous, not only from the disabled breakers themselves (we've published some of their letters) but from companies with offers of help. And we've just heard from a couple more.

T-Bird Electronics live at 17a Mill Lane, Welwyn, Herts, and they are offering a special package to disabled breakers. For £90 they will send an Amstrad 900 or a Grandstand Hawk, a power unit, ground plane kit, Half Breed antenna and all the cables needed to set up a home base. If the customer lives near Welwyn they will also install the rig at no extra charge.

They started the service locally six months ago when a friend of their's in the social services suggested it, and in those days they could fit all the sets they sold. Now they're offering them nation wide they can't, and they also have to make a charge for postage.

The address is mail order only, so you can't visit them, but you can ring them on Welwyn 4159 during the day or Welwyn Garden 31888 in the evenings to get the details. I used to know this really nice girl in Welwyn... but if you think you're getting her phone number you've got another thing coming.

The second company to offer a special deal for the disabled are Treble Three CB of 68 Milner Road, Brighton. But, although they've advertised the scheme locally, they've had very little response to date. Mind you, there's a lot of money down there.

Their offer, to any disabled person, is five percent discount on any set in their range (including Cobra, Uniace, Fidelity, DNT and Hy-Gain) plus free fitting within the Kent/Sussex area. If you're disabled, call Tony Hopkins on 0273 672409 and Treble Three will bring a selection of sets to your home for you to choose. Then they will fit it free of charge.

And we'd still like to hear from other firms offering similar deals — look out for another special feature for the disabled next month.

Keep clear

An appeal to your better instincts. Mr Ellis, general administrator of the Dudley Area Health Authority, has dropped us a line about the effect of CB on the radio paging system at Burton Road Hospital and Guest

Hospital, Dudley.

In short, CB is interfering with the beeper system which allows staff to be called in during emergencies. Although they are the only two so far affected, the Corbett, Stourbridge and Wordley hospitals all use the same system and so are in danger.

The solution is simple. Don't use CB near any of these hospitals and there'll be no trouble. You can carry on breaking and the hospital can carry on working. Perhaps the local club or monitoring service could spread the word around...

Quick off the mark

Is this a record? Mark Thornsby lives in Stowmarket, in Suffolk, and like a lot of people he waited for legal CB before getting a set. A few weeks before they went on sale he bought himself an antenna and installed it.

Also like a lot of people, he saw the sets on sale a couple of weeks before legalisation, and he just couldn't resist it, so on October 23 he bought himself a nice new shiny Harrier CBX and installed it that afternoon. Then, proud as punch, he went out to his girlfriend's and then they went back to his place to watch the telly (or whatever). About midnight it was time for the lady to go home, so out they went to the car, a Capri as it happens, and found the rig and the twig had been stolen. Still, at least he could inform the police with a clear conscience. Thing is, was this the first legal rig to be half-inched?

And while we're on the subject of missing rigs, Warlord, who lives in Wales, has had his rig ripped-off. It was a Tristar 747 80 channel job, serial number T00233820, with WL40SC encribed next to that. It was stolen in Trebanog, Porth, Mid-Glamorgan so if anyone offers it to you (or even if you bought it) drop us a line and we can pass the message on to the appropriate people. OK?

Squire route

Had a letter from the Squire Organisation, a disco equipment retailer with four stores across the country, who are now moving into CB in a big way.

Each of the shops, in Glasgow, Manchester, Birmingham and London, has been re-designed with separate departments for CB, where they hope to carry 500 different product lines. Rigs will include Amstrad, Binatone, Fidelity, Cobra, Commtron, Ham International and Hy-gain base stations.

They plan to be very competitive on prices, so if another retailer is selling below their prices they will match it or beat it on the spot. If we were you we'd take them up on that, might save yourself a few bob...

Bits and pieces

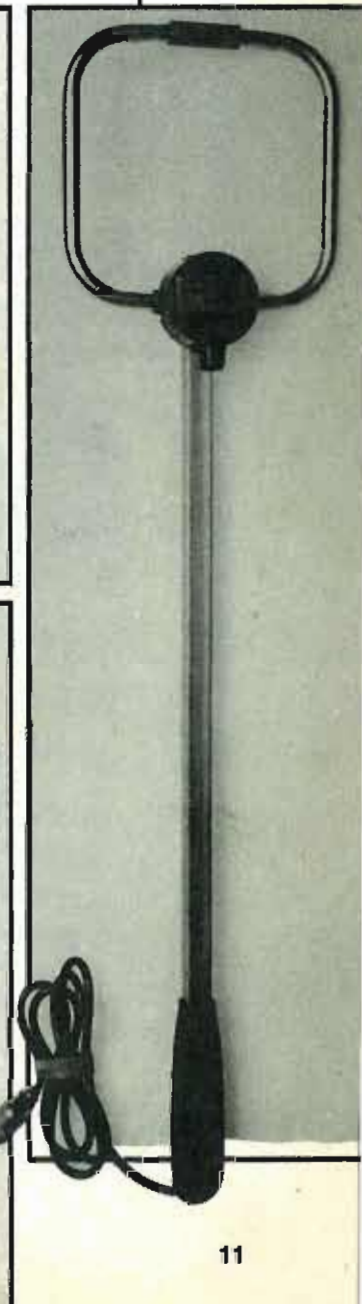
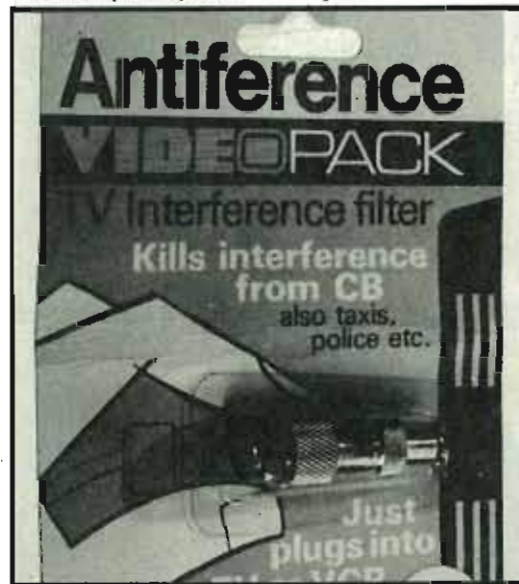
Getting really annoyed by some wally sodding about on channel? So annoyed that you want to go round and disconnect him right away? Well, in the past you would have found that a bit difficult as tracking another station is pretty hard — and in any event the other breaker could have been six foot six. Probably because of the increase in wallyism, direction finding antennas have started to find a bigger market recently. Finding people is a lot easier, though what you do when you find them is still up to you.

Halbar make a direction-finding loop for £9.50 plus £1.50 post and packing. It's built out of aluminium and has 2.4 metres of coax. It's simple to operate, you just screw it in to your antenna socket on the rig and watch the signal meter as you rotate the antenna. The important thing to remember is that you can't transmit with this antenna, if you do you will

damage your set. You need two directions to track down a transmitter, so you either need two direction-finding loops or you have to race about and get them both yourself. Anyway, that's how it's done. Halbar are at 52 Hatfield Crescent, Bedford.

Another handy little item from Halbar is a TVI filter, the UK 17. This retails at £6 including post and package, and while it's not cheap the makers claim that it cuts out 95 per cent of interference. More importantly they work on a money back if not satisfied basis, which is nice nowadays.

And finally, while we're on the subject of TVI. Antiference have brought out a new filter. It's a tiny little device which plugs into the back of your set. It's not much wider than the TV cable and only about an inch and a half long — the wonders of modern science. It will set you back about £2.95, but it's not suitable for VHF television.





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Lowdown



Seal hunting

There must be legions of press officers in companies all over the country pouring over books of CB jargon, so they can produce press releases in words they think the breaker in the street will understand. Still, it shows they're making an effort, so we'll let Hermetite tell you about an exciting new application they've discovered for their clear sealer:

'Well good buddies, we all know what a lot of wallies there are about, altering the adjusting rings on twigs and sending SWR readings haywire that could blow your CB rig. But don't despair, there is a simple, effective and inexpensive way of stopping this by using Hermetite Clear Sealer to provide a clear silicone coating over the adjustment rings.'

Not sure just how many wallies are running around fiddling with antennas, but having heard them on channel, we wouldn't put it past them. Just the sort of rewarding hobby they'd enjoy. So if that's your problem, now you know how to wack the wally. Hermetite Clear Sealer sells for around £1.84 a tube (enough to seal a forest of twigs, we'd guess) from Halfords, Woolies and car accessory shops on every street corner.

And full marks to Hermetite for getting in on the CB market. Now, about their gasket cement . . .

Novel idea

Isaac Asimov, the sci-fi writer, will be applying his name, if not his keen scientific mind, to something a bit more down to earth. He has been signed up by Tandy to promote their products in the UK. Makes a change from Andre Previn, anyway.

Tandy Corporation (known as Radio Shack in the US) is the largest electronics retailer in the world with over 8,000 stores and dealers — 270 in the UK. Having brought in Asimov, they will, presumably, be looking for universal approval . . .

Rude words

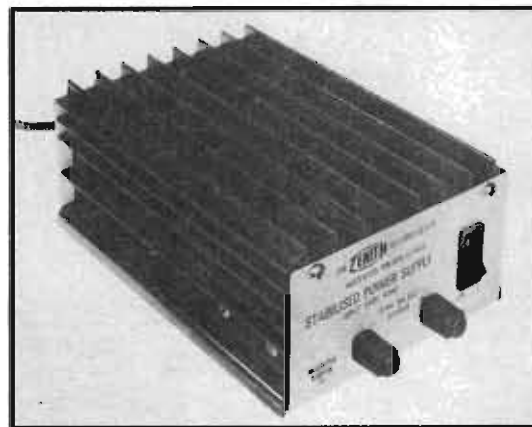
If anyone thinks that our occasional naughty bits offend the good taste and decency of our readership, they should have a look at some of the entries we've had for the competitionette we ran in the January issue. You nurty leetle theengs you.

If you remember, we ran a piccy of two ladies sitting on the bonnet of a Rolls holding a Fidelity rig and asked you to suggest captions. We're still trying to find one we can print without being forced onto the top shelf of every newsagent in the country, so if you have any thoughts, send them in. You might not be too late. We'll send something suitably vile to the winner and, hopefully, print the name of the winner next month.

Success on a . . .

After mentioning US licence plates, and how some people are buying examples to tie up with their handles, M Cantlow (bit formal armtcha?) from darn Sarf sent us a pic of his UK plate. Attached to a rather tasty Daimler, if I'm not mistaken.

So here it is for plate freaks everywhere. No accounting what gets some people going, is there?



UK power unit

More and more people are changing to home bases these days. Probably has something to do with the economic climate. After all, who can afford a car at the moment? Especially on our wages?

So it's with great pleasure we bring you news of a new power unit from Zenith. It will provide your CB with 13.8 volts from the 240 volt mains supply, which is just what you want. What's more being British made it's fully guaranteed and complies with all British safety standards (which means it won't burst into flames — a comfortable thought).

All this can be yours for £16.50, plus £1.75 post and packing from the Sales Department, Zenith Electric Co Ltd, Wavedon, Milton Keynes.

Trade-ins

Now here's a novelty. Lots of people say they'll never swap their old AM rigs for the legal FM ones because they've paid out too much already. They're not about to throw away £100 of rig for anyone, and you can understand the way they feel. But now there might be a solution. Or, at least, a part solution.

IPB International, who live at Belle Vue Works, Chinley, Stockport, Cheshire, will give you £30 for your old AM rig in part exchange for one of their new Manor Kestrel legal sets. Although we haven't had a chance to try one out yet, the Kestrel looks to be good value with the usual volume, squelch controls and signal-power meter plus RF gain, tone, roger beep, PA, channel nine with Rx and Tx lights. All neatly finished in black.

The normal retail for the Kestrel is £98.95, but with your AM rig in part exchange it's yours for a mere £73.45, which seems good value. On the other hand if your present set is a Ham Multimode (or similar) you might think £30 isn't enough, and you'd probably be right. And once you're legal, you've got to buy a licence as well. Hard life, isn't it?

Sports news

. . . Hartlepool 7, Scunthorpe 0. Scunthorpe going through on aggregate there. And finally here on Sports round-up, news of the recent English cricket tour of India. Binatone offered to give each member of the team a rig when they won the test series. A good deal of confidence there by Binatone. This follows Binatone's sponsorship of the 1982 Round Britain and Ireland Yacht Race.

Well, that's all from Sports Round-up this week, we'll be back with live coverage on Wednesday from the European Combined Ice Dance and Mud Wrestling Championships from Innsbruck. Good night.'

A Brit late?

It's not often that there's a lot to shout about in British industry — and unfortunately, there's been even less good news in the CB business. But Plessey tells us they have received orders from British manufacturers for over 500,000 CB parts, developed by the company for the UK market.

Plessey thought it was worth making a bit of noise about it

PLESSEY

Persuader

Ford dispute allowing, you should find words galore on the new CB-equipped Ford Fiesta XR2 in a Wrappin' special elsewhere in this issue. Ford dispute not allowing, you'll find no such thing, so we'd better fill you in a bit quick.

We've mentioned before that Ford couldn't supply CB in their cars from the factory because they go all over the world and the silly UK spec rigs can't. But not being ones to look a gift wosname in the thing, they're supplying them as a dealer option, which simply means they are fitted when you buy the car.

The sets are Cybernet 1000 or 3000 and the antenna is the

and we're happy to pass it on. It's not so impressive when you compare it against the enormous production rising from the East, but let's hope that the British companies can still make a good impression on the market. If the Government had given UK companies more time to get things organised, we might have been able to shout about it earlier. Still, the Japanese must love them.

American Persuader 12510 imported by Mocom. It's made to the legal spec, of course, and although only 34 inches long looks like being a good performer — we'll report on it in more detail when we've tried one.

But you don't have to buy an XR2 to get a Persuader antenna. They're selling on their own for around £20, with a few quid on top for the mounting bracket. The same company are bringing in the more up-market Super Persuader Mag-Mount, selling at around £32, with a choice of coloured vinyl coverings for the 59 inch whip. Sounds like a goody. Worth a trip to your local store.

Attention mobile CBers

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Talk among yourselves

CB can also mean Community Broadcasting—we look at the struggle for local local radio. And if you thought getting legal CB was difficult...

Let's start with the simple stuff shall we? Firstly, what is community radio? Anyone know? Ok, we'll fill you in now and bring you any further developments over the coming months. The trouble is, no one has a real definition of community radio that fits all the facts. It's been described as 'the community broadcasting to itself' rather than a 'station broadcasting to the community', all of which is as clear as mud. Read on and we'll try to reveal a little more.

For better or worse the Government has always regarded the airwaves as its own private preserve. Anyone who's followed the struggle to get CB legalised will know just how jealously the Home Office guards the radio frequencies, and up to a point they've got a case. No one would approve of idiots on the air blasting BBC and IBA radio and television into oblivion with any old rubbish they wanted to put out. On the other hand though, this argument has been used to stop worthwhile developments like CB coming through, which in no way is a threat or a rival to Auntie Beeb. The simple fact is that the Home Office don't like me and you to have free access to any means of broadcasting — they don't trust us.

So what's all this to do with community radio? Well there's more to come. In the past the Home Office has kept any broadcasters very much under its thumb, from the humble radio ham to people like the BBC. The Home Office makes the rules and everyone has to play their game — try anything else and you're outside the law. The job of broadcasting was traditionally given to the BBC and, more recently, commercial stations (TV and radio) have grown up under the IBA. The Home Office says that with this set up they can make sure that a balanced and considered programme is presented by broadcasters, but from the amount of complaints everyone makes about what's put out on radio and television it would seem the major networks are not succeeding in this.

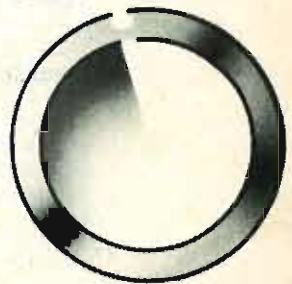
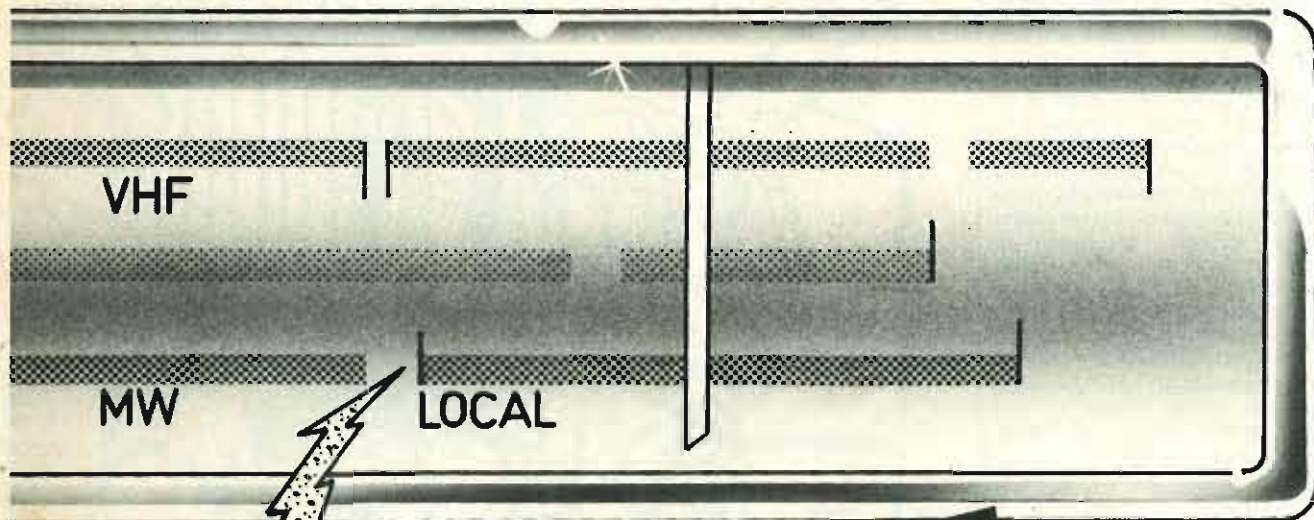
So what's the answer? Obviously you can't keep everyone happy all the time, and it's true to say that most stations have to cover such a wide area that they cannot specialise and cater for a minority who want a particular type of programme. In any event the commercial stations have to attract advertising with large audiences, and you don't get large audiences with minority programmes.

Think about it: Do you really like the service you get from your local radio station, BBC or independent? Do you think you'd get any changes if you complained? The answer to both is probably no, but it's not the fault of the stations themselves. It's a case of too few stations trying to cater for too many people.

There is one possible solution — community radio. This would be a strictly local radio station running on a voluntary basis. While nothing has been settled yet, it would probably only cover a town or a single area with a single low powered transmitter, perhaps only 100 watts. Stations of this power already exist, often run out of the back of a transit van for only a few hours a week, but these pirates should not be confused with community radio. The pirates around at the moment have no real contact with the people they broadcast to, for them it's a private toy for the most part. While using similar equipment, a community radio project would only work through close contacts with local schools, industry, hospitals and so on.

In this country, and abroad, community radio has been tried in various guises. In North America, Sweden and Australia systems like that described above have been set up and are now in operation. So far the British experiment has consisted of cable radio run mainly in new towns, so the numbers of listeners is limited, but even so they have been successful. Not that any of that has filtered through to the Home Office, who in 1980 published the Third Report of the Home Office Local Radio Working Party (must have taken them weeks to think that name up).

The working party is made up of the Home Office, the BBC and the IBA, and so it represents the big networks in this country. The Third Report recommended another 38 BBC and 25 IBA local radio stations (which will be springing up around as you read this) and, more importantly, expressed the feelings of



the powers that be on community radio. When you read the report you get the strange feeling you've heard it all before somewhere Weren't the same arguments put up against CB only a few years ago? It starts off well enough with a description of the two main directions community radio could take: On the one hand a small station only serving one area, and on the other a station serving a particular interest — say jazz or classical music. The crunch comes when they start talking about frequencies. The official line is that there isn't enough room in our crowded airwaves for small stations — an argument levelled at CB for years and one that proved quite untrue as everyone on legal FM can testify. The other side of the argument is what little space there is should go to improving local radio (hence, all the new stations). Now isn't that a surprising recommendation from a committee which is mostly made up of the big networks?

So what did community radio get from the report? Basically not a lot. They did get the chance to put their point of view, with groups such as Community Communication Group (COMCOM) and the Association of Community Broadcasting Stations (ACBS) giving evidence. COMCOM are a lobbying group for community radio and put forward the idea of an editorially free radio group able to expand or stop its activities according to the support they obtained locally. These stations would be experimental, under a two year licence from the Home Office, and COMCOM would see a large number of failures among its successes. The ACBS, who represent the cable community radio projects already working, want an independent body to be set up to oversee any new stations. They also published a code of practice, which community radio stations would follow and, although it's vague, it does cover questions of the aims, controls and finance of the new network.

As we've said, this report was published in December 1980, and the Home Office waited until July 1981 before acting on it, so people had a chance to say what they thought. Willy Whitelaw had this to say: 'About half the replies I received have dealt with community radio, the great majority expressing support for some form of community radio development . . . I agree with the Working Party that community radio raises important issues of broadcasting policy and difficult problems of resources . . . I propose to give further consideration to this matter.' And that's how it stands at the moment.

Now, that sort of statement means that nothing is going to be done in the next five years, if they have anything to do with it. Unless people start writing in and complaining, that is, Hint, hint. But what exactly is the issue at stake?

Although the various community radio groups don't agree on what kind of service they want to run, they are certain that the Home Office should issue licences, so they can prove the system will work. They want to set up radio stations that would serve the local people of an area with what they wanted to hear, rather than what a programme controller miles away wanted to play to them. At the moment there is no such thing as a community radio licence, which has

pushed some radio operators into broadcasting illegally, but the whole system is against them. Even if they could escape the Home Office, they would run foul of the copyright laws. Every time a record is played over the air a radio station has to pay a certain amount to the publishers and composers (through the Performing Rights Society) and to the record companies (through Phonographic Performance Ltd). If a community station tried to pay these companies any money (you have to be licensed by them first), it seems very likely that it would be refused. Companies do not like taking money from 'illegal' organisations. The strange thing is that the station themselves desperately want to be legal, but the Home Office is, at the moment, standing firm against them. Very similar to the position of CB only a couple of years ago, no?

And look what happened to CB once people started to make themselves heard.

COMCOM's part

Peter Lewis is a school teacher and the Press Officer of the Community Communication Group (COMCOM). The group was originally formed in the late 70s in response to the Annan Committee Report (you remember that one, the one that outlined the future of broadcasting in Britain).

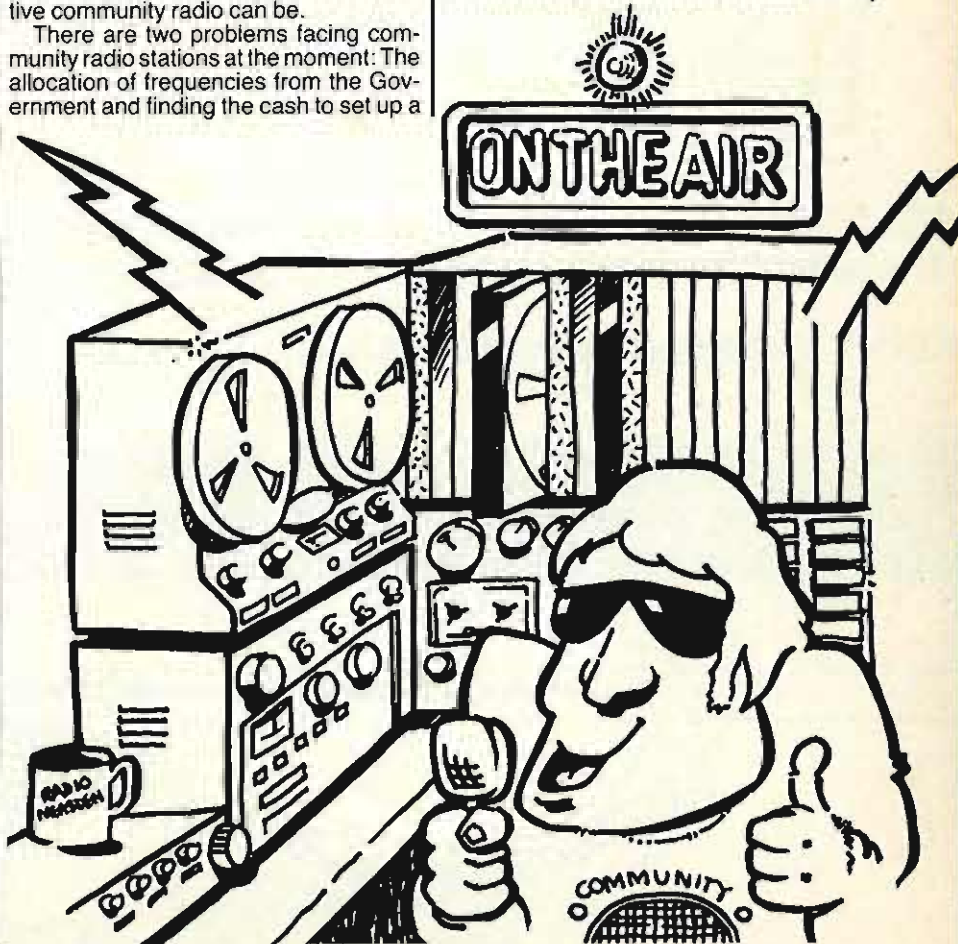
Peter joined together with a few friends who didn't like the recommendations of the report to do with alternative forms of radio — community radio in particular. Peter has already had experience with different forms of broadcasting, he was involved with cable transmissions in Bristol until the station closed, so he's had first-hand knowledge of how effective community radio can be.

There are two problems facing community radio stations at the moment: The allocation of frequencies from the Government and finding the cash to set up a

station. On the frequency side, Peter believes CB has given a boost to alternative radio because it has shown that there are frequencies available, and that the Government will give in if pressured. In fact CBers were far more militant and ultimately far more successful in their protests than community radio groups have been up until now, perhaps because breakers simply went on the air and ignored the law. That is something that's tempting community radio people at the moment, but really they'd like to stay within the law.

Most community radio projects favour using the 102-104 MHz VHF band, and 88-97.6 MHz is another option, but the Government does have other plans for them at sometime in the future. This would make them ideal for use as experimental radio stations under COMCOM's proposed two year licence idea. Stations could be using this frequency (which would otherwise be empty) to test public reaction, and later they could be given a permanent home if they proved successful. That seems a reasonable idea, but the Home Office doesn't agree. Yet.

And then, of course, money raises it's ugly head. COMCOM feel £40-50,000 would set up one station, provided the premises and the staff came free. While this may seem a lot (and it's a figure that others dispute) it's really only the same as your town hall spent on their new limo this year, or the salaries of two of their top officials. Not very much at all when compared to most local government spending. And why are we comparing it to council spending? Because this is where some of the finance would come from, say COMCOM. Certainly the donation of some unused premises by a



council would be a great help and the staff would be largely voluntary, or perhaps supported by the Manpower Services Commission. Bodies such as the Equal Opportunities Commission could also help out when they see the benefit such stations could bring. It's idle to speculate now, but if there'd been a community radio station in Brixton some of the trouble there could have been averted, or so COMCOM believe.

How would it work? From past experience COMCOM think a specialist station has the most chance, as local specialist groups have a lot of enthusiasm and time to work on programmes. In Bristol, Peter found the local astronomy group put out some excellent programmes, and although it's not to everyone's taste, they were well received. The point is that the programmes could be tailored to anyone's taste, and any local group could get involved — schools, hospitals, youth clubs — it's open to all. On the business side the people involved in the station could elect its own management, as many or as few as they felt necessary.

There are a lot of questions left to answer though. What area should such a station cover? Should it carry advertising — if so, how much? What form should the Home Office licencing take? Community radio should be as free as possible, but the only way the Home Office will ever agree is if they have control in the end. All this has to be discussed and approved between the community radio people and the Home Office — but will the Home Office start talking?

The right path?

Another approach to community radio is the Pathfinder Community Radio project, under the guidance of Alexander Lex-Arnold, and centred around its first station, Radio West Hertfordshire.

The Pathfinder group was originally set up by students, who wanted to promote a service without political or religious bias and, although it's now lost its student connections, it still wants no bias on the air. The community radio side came from people complaining about the service provided by the BBC and independent radio, so on behalf of Pathfinder, Alexander (Lex) looked in to the Working Party. He soon realised that the Working Party was only for the BBC and the IBA, the people who's stations could not really fill the gap. Lex saw the answer as starting another group using one station as a model for others to follow, and so Pathfinder started to organise Radio West Hertfordshire (for no better reason than that's the areas where Lex and the others live). They also published a policy document, but they are quick to point out that though they want to start a network of Pathfinder stations, each one is independent and no money is required to use the Pathfinder name if they generally follow the Pathfinder policy. There are eight other organisations promoting community radio, but only Pathfinder is fighting for a national network.

While there is no such thing as a community radio licence, and the Home Office has never authorised an 'on air' community radio project anywhere in the country, Pathfinder believe they've found a loop-hole which means they can operate Radio West Hertfordshire. Lex, on behalf of Pathfinder, wrote to the

Home Office and told them exactly what he proposed to do — a low power radio station operating from Berkhamstead. As the Home Office did not reply to any of his proposals Pathfinder think that by default they can start to broadcast. Somehow we doubt that the Home Office will stay silent once Radio West Hertfordshire goes on the air, but you've got to admire Pathfinder's courage in going ahead.

Pathfinder think they've got a point to make, and so they are prepared to fight any Home Office action for as long as possible. If they can find the finance (any millionaires reading this?) they would be prepared to take the case to the European Court because they feel the Wireless Telegraphy Act goes against their rights under Article 19 of the United Nations charter. Once you're into that sort of thing it means hundreds of thousands of pounds and literally years until you get any result. Pathfinder are nothing if not brave.

The station will be operating in the 102-104 MHz waveband, and they've had monitors on those frequencies to make sure no one else is on it. So far all they've found is some interference from France and a station in Hamburg that goes out on 102.1 — signals that shouldn't be heard in Britain in the first place. They think that running as little as 30-40 watts they can cover a seven to ten mile radius of Berkhamstead. The basic set up includes a linear amplifier, a couple of record decks, a mixing desk and a simple antenna (as little as two metres long). There are many commercial transmitters which could be modified to 102-104 MHz, and Pathfinder even have a plan for the physics department of a local school to build one for them — another way of building up local support and involvement.

Pathfinder say the cost should be around £500 (other groups say it could be ten times this) which could be raised by donations and local fund raising. This would start the station off and after a few months operation it could start to take local advertising. If this worked they could employ full time staff and so extend their air time (at first they would only broadcast for a few hours a week). What shape the broadcasts take depends on the public. There would be a nine strong programming committee and any local person would have the right to be heard by them. A little different from the usual approach of radio stations . . .

Once it's started, and they're hoping to be on the air around the time you read this, the station will do its best to work up contacts with the community. They're already in contact with the schools, and they'll follow this with the hospitals, the youth groups, any local societies, factories — in fact, anyone with an interest in the area. Other applications are very interesting. Pathfinder plan to put out local crime reports (will the police co-operate with an 'illegal' station?), as well as a link-up with CB for local traffic news, although that's in the future. Similar stations in other areas could have great benefits depending on local needs.

Pathfinder Community Radio
11 Livingstone Walk
Grove Hill
Hemel Hempstead
Hertfordshire



The hardware

You don't have to be a slick DJ to broadcast to an audience. Even now there are a few characters reading poems or telling stories on the CB channels. Sometimes, in this world weak with gratitude, a few people would gladly put an axe through the rig in question.

At least it's all good democratic stuff, and when the would-be broadcaster eventually clears the channel you can tell him (or her) exactly what you thought of the performance. You can't do that to Tony Blackburn or Adrian Love (more's the pity). But with a community radio station, you ought to be able to remonstrate with the broadcasters easily enough — far easier than getting past the armed receptionist in most professional radio stations, at least. And those of us with an urge to be creative with mikes, tape recorders, musical instruments and so on could broadcast without hogging the precious CB channels.

You can't buy transmitting gear for broadcast frequencies 'off the shelf' in this country. However, as enthusiasts with a certain disregard for Laura Norder have demonstrated, you can make it easily enough if you have your technical wits about you. Take your home-made transmitter out to a remote site somewhere, attach a couple of car batteries and a cassette tape recorder, and you have Radio Shoestring.

Shoestring outfits can be assembled by keen people who can pool together their own record decks, tape recorders, mixers and so on and provided they have at least one good engineer in their midst, the broadcast quality can be reasonable enough. But if you're talking about legal, licensed community radio, how much would you have to spend to get a worthwhile station off the ground? And what sort of gear will you need? A station's budget for setting up will split three ways: premises, studio equipment, and transmitting equipment. In every case we're looking for very substantial savings on the cost of present-day commercial and BBC radio, but at the same time, the quality of the transmissions ought to be good enough so that no-one (well, hardly anyone) complains about it. Can it be done? Sceptics read on.

Take a look at present-day hospital or student radio. The premises are usually supplied free by the institution in question, the studios are rudimentary by professional standards, and the transmission equipment is also simpler and less costly. But they do work. As a very rough guide the cost of setting up and running stations like this is around £2.50 per each audience pair of ears to set up,

and £1.50 per capita per year for running costs and maintenance. Sometimes stations are lucky enough to have a bit more, and sometimes they struggle along on less. But broadly speaking that's what you're in for financially, assuming you start with volunteer labour.

What do you buy, make or scrounge? Well, the essence of a community radio station is that its resources should be available to anyone who wants to use them. Many people who might make inspiring broadcasters will be put off by a studio that looks like a Concorde flight training console. So if you are unfortunate enough to have an engineer who thinks that high technology is God, and regards any mixer with fewer than eighty-seven knobs per square foot as primitive, take him out and have him shot (quietly). The basic idea of the studio is that any reasonably intelligent person should be able to use it with confidence after a shortish period of training and practice. There are problems of course. Professional equipment is highly expensive, is designed for use by a professionally trained operator, and often has lots of knobs and buttons you'll never use (but will pay for nonetheless). Domestic equipment, on the other hand, is cheaper and more familiar, but it just isn't built to take the knocks it will inevitably get, being used day in and day out. If you can resign yourself to replacing the record decks and tape machines annually, and to spending quite a lot of time maintaining them and replacing worn-out parts, you can get away with it.

Another good deal is to buy second-hand professional equipment. At least this stands a good chance of having been reasonably well looked after, and since it's built to last it is usually possible to coax a few years' useful life out of it after the big guys have decided it's no longer trendy enough to grace their studios. One further possibility is to call in professional consultants to custom-design a studio for you. This is expensive, but then you will get something which really suits the job for which it was intended.

As far as the transmitter is concerned, you will probably be spending less on



this than on the studio. At the moment the only licensable broadcasting outfits using radio transmitters work on the 'inductive loop' principle, and can be found in universities and hospitals. These use a number of small loop aerials, powered by a low-power medium-wave transmitter, to cover only the premises for which the licence is issued. If the signal can be heard at all outside the campus or hospital grounds, the system won't get a licence. The Home Office comes round to check on this before the licence is issued. (To add injury to insult, it charges a whopping £700 + fee for the privilege.) Now you might argue that to go to a lot of technical trouble — and believe me, it is a lot of bother — just to make sure that a few people across the road can't hear something is a bit daft. But that's the way the law works.

Although the inductive system works well enough when it's properly engineered (though often it isn't), it means that a lot of expensive cable has to be used to string the loop aerials together. It would be much easier and cheaper just to turn on a low-power VHF transmitter somewhere in the centre of the target area and let it rip. A few people around outside may be able to hear the service, but so what? If they don't like it they don't have to listen to it, and if they do, they've got an added bonus. Free. Low-power VHF transmitters are the most likely bet for community operations. They would use frequencies between 88 and 108 MHz, which can be picked up by an ever-increasing number of regular radio sets. The Home Office will try to tell you that there are no spare frequencies in this band, but as breakers you will have heard this one before somewhere.

A big international conference in 1979

decided that all frequencies from 88 to 108MHz were to be assigned to broadcasting stations. However, our own dear Home Office put a spanner in the works. It insisted that it wanted to keep its own private services in this band until 1985, in some cases 1990. International conferences do not have much authority over the idiosyncracies (or idiocies) of individual governments, so they meekly agree to the Home Office request, but insisted that no new non-broadcast services could be started, and that the ones already there should all be cleared out by the dates mentioned above, at the latest. The Home Office is not given to moving any faster than it absolutely has to on matters like this so without a bit of public outcry (and we're doing our bit) people in this country will soon have fewer VHF radio services than anyone else in Europe. Not good enough, is it?

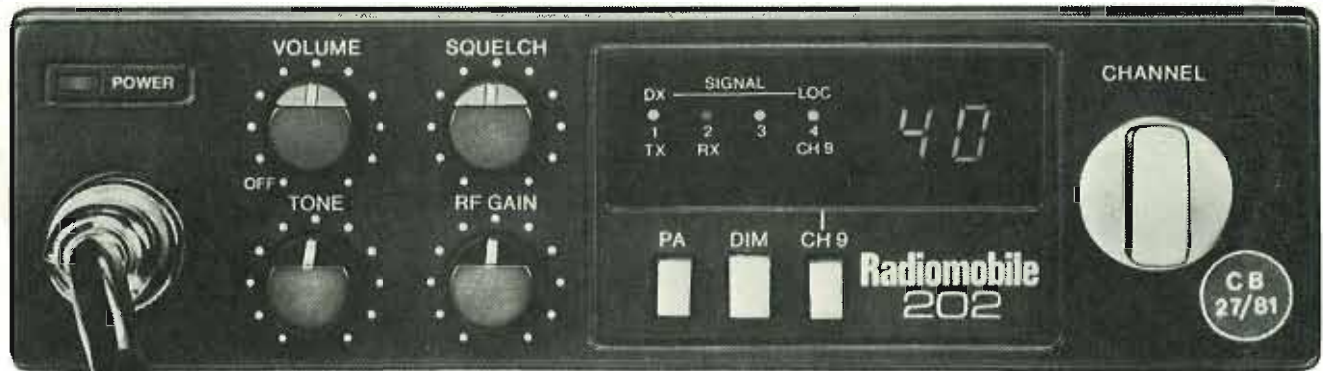
The sort of transmitter that you may eventually be able to broadcast on will be a little box, not much bigger than a CB rig, with a power output about the same, or slightly more. The transmitting aerial will look exactly like a VHF receiving aerial — with one or more rods about five feet long. This can be put on top of a block of flats, say, or other tall structure, to give a range depending on the geography of the area and the power of the transmitter. Typically a five-watt transmitter will give good mono reception on a portable radio over a two to five mile radius (depending on hills and other natural or man-made obstacles). Listeners using a proper outdoor aerial connected to a hi-fi stereo tuner would also be able to get good stereo reception over the same area. This is providings, of course, that the broadcasts are transmitted using a stereo encoder in the first place.

The cost of a good-quality, reliable transmitter is likely to be about £1000, with stereo and the aerial thrown in for good measure. Keen enthusiasts could build a suitable transmitter for much less than this, if they worked for love and not money. Likewise, premises and equipment might appear almost by magic once it's clear that no-one is going to be profiteering out of the station, and that it's going to be a democratically controlled resource shared by everybody. The only thing that's stopping a lot of exciting new developments in broadcasting (and, to be frank, a few boring failures) is the present restrictive state of the law of the land. Bit of a shame, don't you think?

Before you all rush out and take to the airwaves we'd better make it quite clear that to use or install an unlicensed transmitter is illegal. As is listening to any unlicensed transmissions, so we on Breaker cannot condone any illegal activity. On the other hand, writing to the Home Office, and us, on the subject is perfectly legal...



CB to start the professionals talking.



Our extremely stylish new CB202 mobile unit will certainly start the professionals talking.

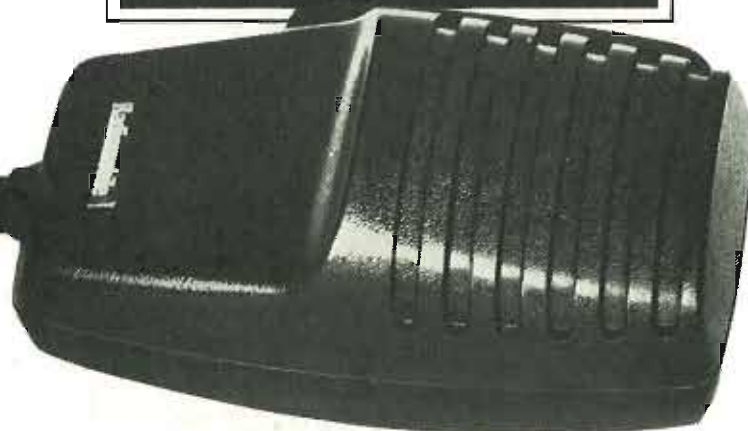
They'll probably mention the squelch tone, the RF gain and LED channel read out. And they may go on about the 4 digit LED S/RF power meter and the transmit, receive and power-on indicators all with dimmer control.

Then of course there's the PA function, the integral speaker with external speaker jack, the PA speaker jack and 40 channels to choose from. We could go on and on.

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Also available: the CB201. Ask your dealer for details.



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By Appointment to Her Majesty the Queen
Manufacturers of CB Radio Equipment
Radiomobile Ltd London

Goodwood Works, North Circular Road, London NW2 7JS. Telephone: 01-452 3333.

CBC

CB CENTRE

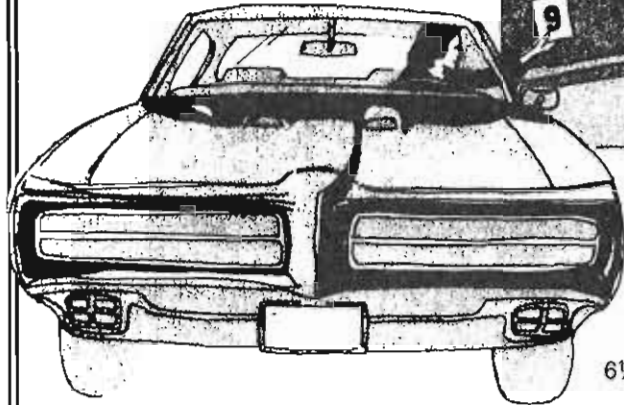
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Mail order

'I can't get down to the newsagent on my two crippled feet. I used to send my little puppy but it got ran over by a truck. My daddy ran off to be a country and western star. How can I get my Breaker now? It's the only thing that keeps me going . . .'

Teddy Bear, Watford.

'... at first I thought they were queuing for the winter sales but then I realised they were waiting for the Breaker delivery. There were thousands of them, a sixteen mile queue snaking all over the city. Some had camped out for three nights . . .'

A Reader, Manchester.

'... I'd visited every newsagent in the country and they'd all sold out. I was desperate. There was only one thing to do . . .'

A Reader (no relation), cell 59827, Wormwood Scrubs.

'... the doctor's surgery was the only place I could find a copy. I had 26 appointments in one week. So far he's diagnosed malaria, leprosy, VD rabies, piles and ingrowing toenails . . .'

A Reader (still no relation), Glasgow.

These are excerpts from a few of the thousands of fictitious letters we make up every day. Now, we're not going to make corny jokes about you not getting it regularly (nudge, nudge, know what we mean?) but if you have any difficulty getting Breaker, there's no need to despair. You can have it delivered to your door along with the bills and mail-outs from Reader's Digest. No longer do you need to trudge out in the rain — only to find that your local newsagent has sold out. No more will you be left out of the

conversation at the pub because you haven't read the new issue. The ink will still be wet when it falls through your letter box making a right mess of your new hall carpet. Read Twong before John Richardson's finished drawing it. Prove to your postman that you get mail from someone other than your bank manager.

All you have to do is drop a line to Subscriptions, Link House, Dingwall Avenue, Croydon, Surrey enclose a cheque or postal order for £13.20 (including postage and all that guff) made out to Link House Publications, and tell them what you want. Keep it clean, huh? Or you can even have them sent to a friend. At the local customs and excise office, say.

That's all you have to do and nearly all your monthly problems will be over. And just in case you need any more persuading . . . we don't really need to mention The Curse of Twong, do we?

Watch this space

Remember last month's once-in-a-lifetime, never-to-be-repeated special-price watch offer? Well, here it is again. Just in case you missed it the first time round. We're writing this before last month's blurb appeared, so we can hardly say they're the talk of the nation. But they're certainly the talk of the office. Things like 'I wrote it last month, you can do this one'. Doesn't make any difference though, I'm writing it anyway.

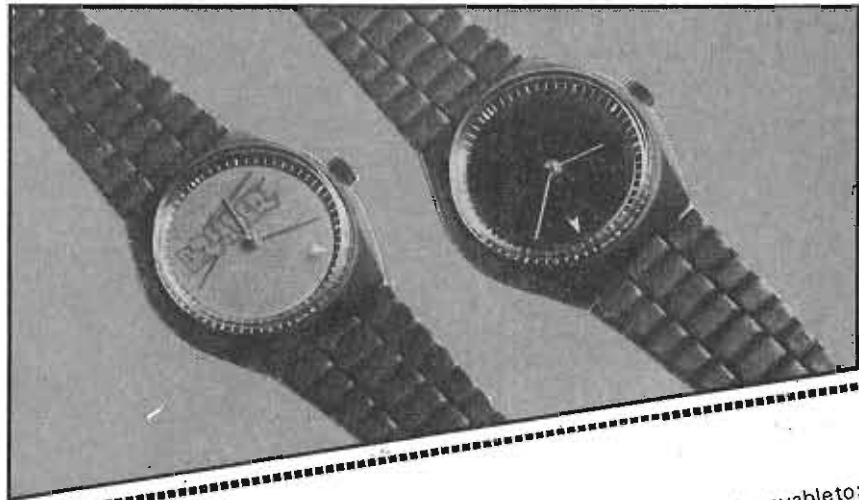
So to the watches. Jolly trick they are too. They're made by little gnomes somewhere in the snow-clad mountains of Switzerland and their enchanted little fingers have incorporated an amazing magic face, which turns the simple act of looking at the time into a mind-boggling, life-enriching experience. Or very nearly. More fun than trying to chat up the speaking clock, anyway.

The watch case and strap are macho matt black and the face is grey, emblazoned with a tasteful red Breaker logo. Except when it's black. The grey and red bit fades away, you see. A couple of times each minute, the face goes black. Just like that. Has quite an effect on people, I can tell you. Sophisticated, glamorous women approach you in the street and say 'Ere mate, let's ave a gander at yer watch . . .'. Natives in foreign climes stare in wonder and believe you to be the manifestation of an ancient god. You know, the one that has a couple of young virgins before breakfast. You'll probably be offered thousands of pounds for it by a foreign millionaire industrialist, who wants to impress his fellow businessmen. On the other hand — if that's how you wear your watch — you can keep it to yourself and have a private glimpse in one of those little moments you keep to yourself.

Right, that's the misleading, untruthful copy writing out of the way. Now you want to know how to buy yourself a time-piece of the action, right? Filling in

the form is a good a place as any to start. Then a cheque or postal order for £14.99. That includes postage and packing, of course, but who cares what it costs?

You're buying technology here, pal. Don't delay, send today. Notice how these slick little phrases just come naturally?



Please send me:

watch(es) at £14.99 each

I enclose my cheque/Postal Order No. 'Breaker' to the value of £

NAME (Block Capitals)

ADDRESS

Signature

Complete this **RETURN LABEL** to ensure quick delivery.

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Do you like:

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- Travel
- Political Activities
- Classical Music/Literature
- The Pop scene
- Sport
- Do-It-Yourself
- Camping/hiking/climbing
- Voluntary Work

Dateline

Turning the air blue

Grandstand is a new name on the CB scene, although they have been big in the TV and electronic games market for quite some time. They are one of the few importers who have not gone the standard route, taken by most, of going to one of the 'Big 3' manufacturers in the Far East. We understand from the importers that with the exception of the 'Hawk', the lower end of the Grandstand range has been dropped and only top sets will be marketed in the UK. All the sets are made in Japan and come from the same stable as those marketed on the continent under the Wagner and Zodiac brand names (AM and SSB) and are generally accepted as up-market.

Appearance and controls

The Bluebird is a compact little set — 155mm (6.1") × 170mm (6.7") × 55mm (2.16") — with a turquoise blue case and matt black front panel, making it rather distinctive, if not a little gaudy. But don't be put off by this, as it certainly is not an eyesore.

The controls are the basic essentials on the front panel — volume, squelch and channel selector, with a Channel 9 priority switch thrown in as an added extra. The 'S' meter is a single row seven LED bar type with bi-colour LEDs that are green in the receive mode and change to red in the transmit mode. Signal strength is easily read because each LED has an odd number up to S9 followed by +20db and +40db, and RF power is shown up to four watts (ie. all the LED's on). The channel indicator is the standard seven segment, dual digit, red LED type. Also mounted on the front panel (on the left hand side) is the mike socket.

On the rear panel is the antenna connector, the fuse holder, DC power lead socket and an external speaker socket, which uses a din type instead of the standard 3.5mm jack. There is no 10db attenuator switch fitted, but an external in-line unit is available as an accessory. The importers have informed us that future batches will include a switch mounted on the rear of the set to attenuate the signal as laid down in the Home Office specs.

Ease of operation

From the first turn of the controls, we get the feeling that the Bluebird is not 'just another rig' but something just a little special. The volume, squelch and channel selector have a very smooth and positive operation and the squelch control in particular is one of the most effective tested so far. The microphone action also felt good, but unfortunately the one supplied with the set was a bit of a



Front view of the Bluebird. Note the LED read out.

Rear of the Bluebird. Note the built in fuse and the unusual extension speaker socket.



BREAKER



CH9

PWR 1 2 3

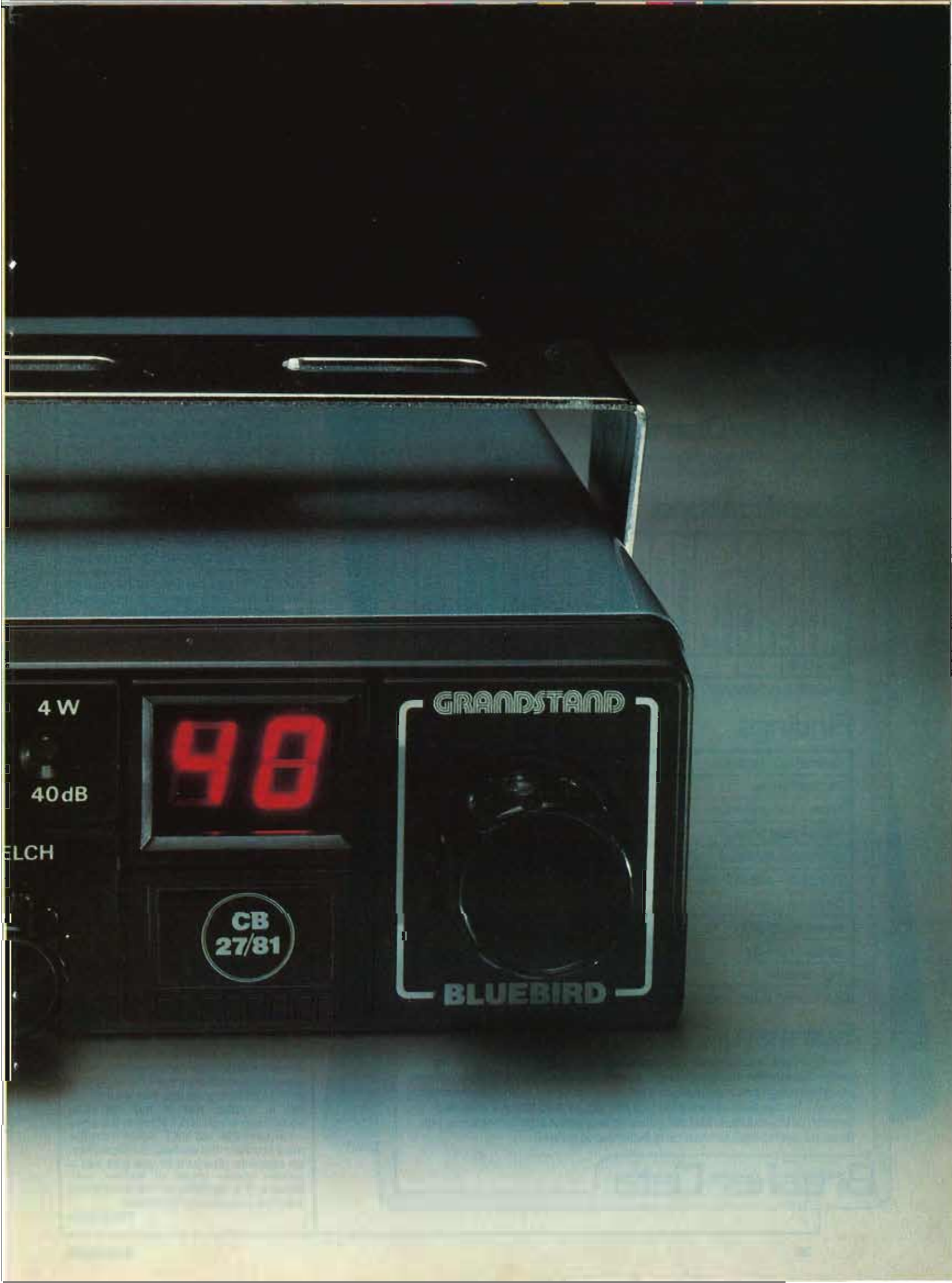
SIG 1 3 5 7 9 20

VOLUME

SQUE

OF

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Model No. RA-10000



4 W

40 dB

ELCH

90

CB
27/81

GRANDSTAND

BLUEBIRD

let down as it was under par — we have been assured by the importers that this in fact was not a common fault. The mike supplied only produced about 15 to 20% modulation, but when we used the mike from Grandstand's Gemini there was a vast improvement.

On the subject of the mike, it was noticed that due to a 5 pin din plug being used, which could not be secured, it worked itself loose occasionally and being connected to a coiled lead sprung back at some considerable speed — not a great safety feature, but one that could

be easily remedied by using a locking type similar to those used on the Realistic sets from Tandy. The in-built speaker worked with or without the mike connected and can either be left in use with an external speaker plugged in, or cutout by rotating the plug through 180°. The LED channel read out and 'S' meter were adequate and easily read from the normal driving position, but did suffer from the usual wash out when in bright sunlight. This was rectified when fitted by selecting a normally shaded area under the dash.

Grandstand

Model Type:

Bluebird

Supplier/Distributor:

Adam Imports, Rippon Way, Harrogate, North Yorkshire.
Contact them for details of local retailers.

Specifications:

TYPE OF SET	NO. OF CHANNELS	SQUELCH	STONE	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
M	40	●											●	●		●		

M: MOBILE H: HANDSET B: BASE STATION

Findings:

	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:

The Bluebird is a compact, quality set which impressed us with its ease of operation, its finish and its performance. It's a set which gives you the things you need rather than the controls you think you want, so don't let the lack of switches put you off. At £90 it's in a crowded section of the market, and it's going to face some stiff opposition, but from its performance with us it deserves to do well.

Breaker Data

Performance

Clarity of the in-built speaker was excellent and the audible hiss and mush normally encountered during high traffic times was not a problem with this set. The filter system tended to cut out the 'back of the box' signals in favour of the stronger (closer) signals with the squelch adjustment set correctly — and it was found, during some late night 'nets', that conversations up to 40 miles were possible.

During the day, the range was cut to around three or four miles, purely because of the sheer numbers on CB — especially just after Christmas when these tests were carried out. Technically the set was within the specifications laid out in MPT1320 and is one of the few sets tested that has not been noticeably affected by AM/SSB interference.

Instructions

The instruction booklet is concise and to the point and full of BLOCK CAPITAL warnings aimed to frighten the pants off the new CB'er, assuming he isn't the normal 'when all else fails — read the instructions' type. It covers only what it has to and relies on the instructions of ancillary equipment regarding how to set up the antenna and how to SWR etc. There is a section on setting up the Bluebird as a base station, but one thing worth mentioning is that if you purchase, or have purchased, one of the sets with no 10db attenuator switch it is illegal to operate the set with an antenna mounted higher than 7 metres from the ground — unless you purchase and use an in-line attenuator.

Conclusion

The Bluebird has strayed away from the 'normal' CB trend with its different connectors for power and external speaker and this was done, we have been told, to keep it in line with the in-car-entertainment equipment currently available in this country. Obviously a lot of thought has gone into this set and it is not a normal 'run of the mill' CB, something which is reflected in the price — around £90 inc VAT. Apart from the mike problem that we had, the Bluebird is an absolute pleasure to use and has a certain classy 'smell of leather' look about it. It is certainly on the short list of sets that I would buy for myself.

Ridgeback

Major drops them

Huge price cuts on all three Major models!

Buy a Major FM CB radio set direct from Major and save up to £45.

Major CB sets, made in Japan to full British legal specification, are now being imported and wholesaled direct. So you, the public, can buy Europe's best-selling CBs at **trade** prices.

All Major CBs come complete with dynamic microphone, speaker cables, mounting kit and instruction manual. And, if you add just £15 to your cheque or postal order, Major will also send you a top quality mobile antenna to complete your installation. Use the coupon to order by post.



Major 3000 transceiver

- Volume • Channel selector • CB/PA
- RF gain • S/RF meter • Tone • Squelch
- Attenuator • 40 channels • 4 W max output
- Ext speaker

**Only £49.95 plus
£2.50 p & p.**



Major 5000 transceiver

- Volume • Tone • Squelch • CB/PA
- Ext/int • S/RF meter • RF gain
- Channel 9 priority • Attenuator on front panel
- Mike gain • 40 channels • 4 W max output

Only £59.95 plus £2.50 p & p.

**Major 4000
base station**

- Channel selector • Channel 9 priority • DX/Loc switch
- On-the-air light • RX/TX light
- 4 W max output • Attenuator • Phone jack
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Citizens' advice



Sticky problem

Could you tell me where I could buy the MR 125 and the CB27S antennas that you mentioned in your home base feature?

J Munro, Sittingbourne, Kent. The best thing to do is to contact the makers for your nearest stockist or to buy direct. The CB27BS is made by Panorama Antennas of 73 Wadham Road, London SW15. Phone 870 5192. The MR125 comes from Antenna Specialists, Telecommunication Accessories Ltd., Bandet Way, Thane Industrial Estate, Thane, Oxford.

Six appeal

Following your guide in the January 1982 issue, I wired up a K40 power mike to my Harrier CBX. The wiring proved no problem, but reading the dealer's instructions on fitting the mike it recommended using a diode and resistor inside the rig to provide enough current to power the mike. When I fitted this I found the standard mike would no longer work properly on the set and the RX light refused to go off. Do I really need the extra current? Ian Duxbury, Blackburn. Providing you are getting a voltage of over six volts, measured between pin 4 (XMT) and pin 2 (SCR), then the conversion set supplied with the K40 is not necessary. The six volts is required to charge a capacitor in the mike to power the K40's speech processor.

Nato natter

I'm considering buying a Commtron Nato with 80 channels AM and 40 channels FM. Is the rig legal (it does have the CB 27/81 stamp on it) and are the 40 FM channels the same as the legal ones? K Burrow, Haxby, York. The answer to this is a firm yes... and no. The sets enter the country with the AM part disconnected, which is how they get the legal stamp, and all duties are paid on them. As soon as you reconnect the AM bit the set becomes illegal to install, but not to own, even if you only use the FM bit. And yes, the FM side operates on the legal frequencies.

Pins and needles

I've got two problems. Firstly I can't find anyone to tell me the correct wiring for a K40 to a LCL 2740 or a York 863. Secondly, when transmitting with the LCL the needle only goes half way across the dial. Is this normal?

D. Churcher, Worthington. Wiring a K40 to an LCL 2740, first:

Plug	K40 (wire colour)
Pin 1	White
Pin 2	Black and screen
Pin 3	Red
Pin 4	—
Pin 5	Not connected

Pins two and four are linked inside the CB. Cut back the blue and yellow wire and isolate them separately with insulating tape. Wiring a K40 to a York 863, goes as follows:

Plug	K40 (wire colour)
Pin 1	White
Pin 2	Black and shield
Pin 4	Red

Cut back the yellow wire and isolate as above.

The problem with the meter indicates that the output power is being reduced. This can be rectified if the SWR is increased to around the 1:1.5 or 1.6 mark.

Watts missing

I've got a DNT three channel portable. On the box it says two watts, but in the manual the RF output was quoted as 500 milliwatts. What happened to the other one and a half watts?

G James, Crewe. The two watts quoted was the power input to the transmitter. The 500 milliwatts is the power output from the transmitter, and is the figure usually taken when talking about the power of the set. Stating input figures is a misleading way of putting a power figure, as it will always be higher than the output.



Going dotty

I have a Cobra 148 GTL DX (FM, AM upper and lower sideband). On the back it has a jack marked CW. What is CW and how do I use it? Lewis Kirkwood, Northern Ireland.

CW is morse code and you shouldn't use it, as morse code over CB is illegal. But then so is the rest of your set. Anyway, with all those channels on your set you hardly need morse.

Lost and found

Can you tell me Commtron's British address? I'm interested in their products, particularly the CX, but I've had no luck in finding them. Also could you tell me where to find Firestik antennas? I've heard that these are the best antennas to use.

Pink Panther, Ealing, London. Commtrons are made on the Isle of Man by Turmann Models Ltd, Unit 2, Government Industrial Estate, Union Mills, Isle of Man. The sole UK distributor is ADS Electronics of 239 Dickson Road, Blackpool, Lancs, and your best bet is to write to ADS and ask for your nearest stockist. Firestiks are illegal, so of course you wouldn't want to use one. But, on the other hand, Connexions, the sole UK distributors for Firestik are at Furrow Way, Cannon Lane, Maidenhead, Berks.

Set up home

I'm setting up a home base and I want to use a 22 foot length of iron pipe to mount the antenna, a base-loaded Dial a Match. Is this suitable and what size metal plate should I use for a ground plane? Also how long can the cable be before I'd have to use low-loss coax?

R. Jones, Tredegar, Gwent. As long as the pipe is strong enough and well mounted it should be OK, but remember that above seven metres you have to use a 10dB attenuator. There isn't a particular size for a ground plane so it's either trial and error or you can buy a ground plane kit from your local CB shop. Finally, below 17 metres normal cable, such as RG58U, is fine — above this use RG8 or RG13.

Diagram dilemma

My rig, a Wagner Home Base 510, has broken down and I need a wiring diagram to fix it. Do you know where I could find one?

Kangaroo, Ebbw Vale, Gwent. Afraid we can't help. Ask around for a local rig doctor and if any readers have a diagram we'd be glad to pass it on.



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BR4

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We've always fancied the idea of being motoring journalists. The sort of people who spend all day driving about in someone else's expensive motor and then write stories about how they'd never buy one because the heater controls are impossible to use when you're cornering at 120. That's the life for us, fast cars, press trips to the Bahamas . . . makes this CB lark seem a bit dull. But then, just as we sighed a deep sigh and got back to work on Breaker, along came our fairy godmother in the shape of those nice people at the Ford Motor Company. They've started fitting rigs as an option on their cars, and would we like to borrow one for a while? We certainly would. We could do a Wrappin Special on it. Car, rig . . . I can see it now. So can you.

The rigs

But before we put on our motoring journalist hats we'd better explain a bit about the CB. Ford are no fools, and when they see a chance to capture a bit more business they can move very fast for a big organisation. When CB was legalised last November they could see there would be a demand for rigs in new cars, just like ordinary radios. What they couldn't tell was how big the demand was going to be or how reliable the supply of sets from the far East would turn out. So, rather than go the whole way and offer Ford badged CBs as factory fitted options (which is a very expensive thing to do), they bought a batch of Cybernet Beta 1000 and 3000 sets and sold them as Dealer Fitment Options. In English that means you get your car from Fords but the rig is fitted by your local garage. In fact they will fit it to any make or model of car, not just new Fords, so that's a nice bonus for the large majority of people who can't afford a new car right now.

It's very rare for Ford to offer any branded goods as one of their own guaranteed options — they usually only fit Ford equipment — so the fact that they're fitting Cybernet sets at the moment shows their faith in the make and the need to get the goods on the market fast. After the initial 1600 sets are sold, Ford will be selling Cybernets with Ford badges on them to fit in with the rest of the Ford option range. And to back that up, they'll be selling three Ford badged antennas, a non-retractable whip for roof mounting, and a non-retractable and a retractable for wing mounting, both of which can be wired for normal radio reception. At first, like the rigs, these will

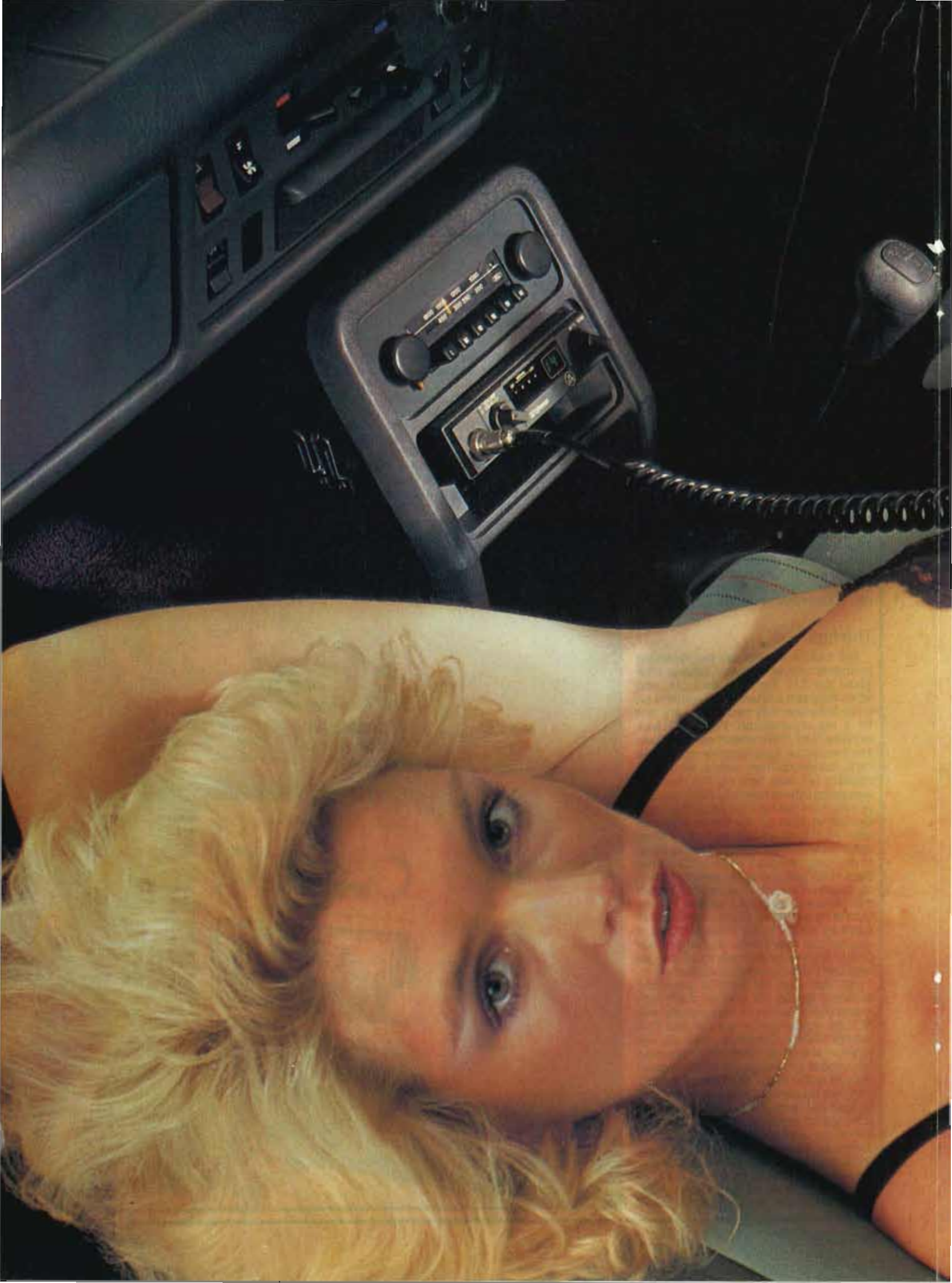
be branded and only later will they be Ford items. In any event, they are all fully backed by Ford.

You may already have seen them on sale in the shops, and they're fully covered in our Which CB? guide, so there's no need to go on about them for too long. The 1000, which Ford are selling for £90.66, is a very compact set with the minimum of controls; just volume, squelch and channel selector. It has an LED signal power meter, an attenuator switch on the rear

(impossible to reach once it's fitted) and a front mounted mike. This was the model fitted to our test car and it's very simple to operate while you're on the move. Apart from the attenuator switch, that is.

The set (and the installation) had a nice quality feel to them, and the sound quality through the built in speaker was good. We used it in central/south London and, on the crowded city airwaves, could reliably pick up copies over three miles. The 3000 model is more expensive at £118.13, and has all the extras that people like to play with so much. In addition to the 1000's features it has RF gain, tone, clear, PA, dimmer and channel nine, as well as Rx, Tx and channel nine warning lights. When the sets become Ford's, there may be some minor design changes, but Ford think these will be so slight that most people won't notice them. The prices don't include installation, incidentally, so check with your local Ford dealer, if you're interested.







BREAKER

Wrappin'

The car

Unlike motoring magazines we're not going to confuse you with lots of figures, mainly because we don't understand them either, so this is going to be kept simple. As you can tell from the pics the car is the Ford Fiesta XR2, the sportiest Fiesta Ford have yet produced for the road. Just so no one else can forget that fact Ford have made the car very distinctive indeed, and a lot of the paint work is very clever. The blacked out sills and window surrounds make the car look a lot lower than it is, and our Strato Silver car made the black wheel arches and the side stripes stand out even more. More than once we got second glances from other drivers. That could have been our driving though.

Mind you, the car is much more than a pretty paint job. Under the bonnet (which we could never quite work out how to open) there is a 1600cc push rod engine with a twin choke Weber carburettor putting out 84 BHP. And to keep the car on the road, there are special sports suspension and wide butch tyres. For the technically minded these are 185/60 HR 13, which means they're . . . um . . . wide.

The wheels are smart alloy jobs, very similar to those used on the 2.8 Injection Capris, which you might have seen

blasting past you on the motorway.

That 84 BHP might not sound a lot, but in a little car like this it's plenty. We could talk about 0-60 in 10.3 seconds and a top speed of 103 MPH, but trying it in London proved a little hazardous so we'd best not. What's more important is how easily you can thread your way through London traffic in a car that's not only small but very fast. And if you want some drama give the car full power away from some traffic lights. You'll get a squeal from the tyres, the steering tugs as the wheels fight for grip, and you fly away, leaving behind some black lines on the road and some very surprised Jag drivers. Scares the wosname out of your passengers too. Snigger, snigger.

But the real fun with a car like this is the way it handles, and on tyres like these the XR2 is just like a go-kart. You can fling it around corners as fast as you dare and it just stays gripped to the road. The only time that the tyres will come unstuck is under very hard breaking when this very light car will start to slide, but because the car handles so well it's easy to control. And anyway, you have to be driving like a loony to get into that situation in the first place. And never you mind how we got into it . . .

The XR2 really tempts you to drive fast, and even when you're not trying very hard, a glance at the speedo often gives you a surprise. The sort of 40-50 MPH speed limits you meet in town don't mean a thing to this car as roundabouts can be taken just as fast as the straight bits, and even on very short straights you can accelerate to a very respectable (and illegal) speed. Luckily the only time the police took an interest in the car was when a bored looking sergeant in a battered Hunter gave us a double take at a set of traffic lights.

There is a price to pay for all that go and handling. The ride is very firm, and the wide tyres pick up all sorts of bumps on the road with a thump. And on London's battered roads, pot holes and manhole covers send a real shudder through the car, but although this is a bit uncomfortable at times it never knocks the car off line.

It would be nice to say the car was quiet, but it wasn't particularly. Still, in a sporty motor you can put up with a growl from the engine, but the lack of a five speed gear box means it can get a bit tiring when you're cruising. In fact no Ford cars use a five speed box at the moment, which seems a bit strange in these petrol conscious days.

The interior of the car is all grey plastic with matching light grey seats and door panels, and it looks smart enough . . . if you like grey plastic. The instruments are large and clear, with a big speedo and rev counter on either side of a small petrol/temperature gauge. All easy to see through the two spoke steering wheel. A nice touch is a digital clock mounted on the roof just above the rear view mirror — very accurate and very easy to read.

Now comes the worst bit. The price. To own one just like ours you'll have to cough up about £5584.25 (£5500 basic and £84.25 for the metallic paint), which is quite a bit for such a little car. An Escort XR3 or a VW Golf GTI would only cost you about £600 more, and they are a full size larger. Supposing, that is, you had the money for either, which we certainly haven't. You try and get £6000 past office expenses and see how far you get.

Funny thing is though, with its round head lights (as opposed to the normal square ones) the XR2 looks a bit like a GTI from the front. Maybe this is some clever marketing from Ford, so everyone thinks you're driving a more expensive car than you are . . . or maybe those long lunches are getting to us more than we thought.

The final test of any car is, would you buy it if you had the money? And when we asked ourselves that question the answer was easily yes, mainly because we don't have the money so we can't be put to the test. It looks nice, it goes like a rocket, it goes round corners like there's no tomorrow (and at times we thought there might not be), it's quite well equipped and it's easy to drive.

It's also good to see a motor company offering CB as an option in the UK — and we're not surprised Ford did it first.



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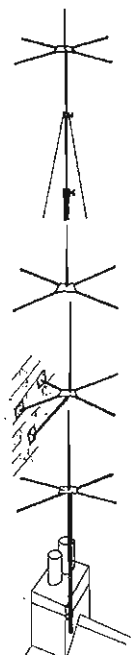
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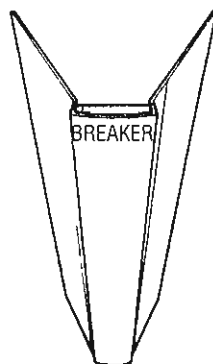
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Copies and robbers

It was snowing when I woke up this morning. Still is. Through my frozen bedroom window, the entire street looked like it had been the target of the Phantom Flan Flinger. Then I got a post card from a friend in Santa Anna: '80 in the shade . . . pelicans bobbing on the sea, humming birds in the garden'. All that. Then the car wouldn't start. It hasn't been a good day so far. And I am definitely not in a good frame of mind to contemplate the less savoury members of society. But we are known for our generous nature on Breaker, so I've decided to share my aire of gloom with you all by telling you just how easy it is to have your cost-a-fortune-only-just-got-it-priced-and-joy CB rig ripped off by some evil-minded little tea leaf.

Reasons to be cheerful part one: There were close on 300,000 thefts from vehicles in the UK in 1980. Or getting on for one every two minutes. CB was still illegal then, of course, and not as widespread as it is now, but the figures for 1981 will soon be available and there's a good chance that it will have increased. And include more than a few rigs. Maybe even yours. Certainly one that used to belong to someone sitting not a million miles from me right now.

Just to jolly you along a bit more, you might like to know 324,000 vehicles were driven away by people who hadn't actually got round to asking the owners if they'd mind. Again, those figures relate to 1980 and, while they will have included some with naughty radios and funny aerials, that figure will have increased after legalisation.

Up until recently, your battered Cortina might not have rated very high in the average tea leaf's desirability stakes. But strap in around £100 worth of CB equipment and it sets a lot of peoples' fingers itching. You can either do nothing about it and quote the fateful words of thousands of past victims: 'It won't happen to me'. Or you can take some kind of preventative action. As times get tight, and ripping off anything you can carry away seems to be replacing CB as the latest craze to sweep the nation, we would suggest the latter. There are more hot rigs than warm pints being exchanged in some pubs. They're falling off the back of lorries so fast, I'm surprised no-one ever drives over them.

My frame of mind seems to be improving with the weather — it's stopped snowing — so we'll see if we can't be a little less defeatist and try to stop your rig becoming rather more mobile than you had anticipated. I can always get the bus home, after all.

You've probably heard the resident bore down at your local say 'If they really want to take it, there's nothing you can do to stop them,' and if you're hit by determined professional car thieves he's not far wrong. But fortunately, they are in a minority and there's a lot you can do to ward off the lads who fancy making a bit of beer money, or who reckon it's cheaper to walk off with your goodies than buy their own. If you're running home base, the usual home security precautions apply but we're looking here at mobile rigs and it can be split into four areas: Vehicle, antenna, rig and, just in case of the worst insurance.

Vehicle

Now unless you're driving under the influence of something you shouldn't be, odds are that your car, van or Skoda will be broken into or stolen when it's parked and you're off painting the town red, wallpapering the bathroom, or whatever.

If you've got a garage, drag out the lawnmower, the kids' bikes and that pile of dirty mags the missus thought you'd thrown out, and lock the car safely away in there. If you've got a Skoda, you're probably safe to leave it out in the street with the doors open. And the engine running. If you must park it out in the street, try to leave it near a streetlamp or, at least, where it is visible. Dark alleys are right out — the baddies use torches now, you know. Most importantly — and this is where we get to the very obvious but very often ignored bit — ensure all the windows are closed, including the quarter lights, if your car has them, and that all the doors are locked. It's easy to forget the third or fifth door if you've got a hatchback, but be assured the thieves won't. Wiping their muddy boots all over your racy fawn upholstery just adds to the fun. The flash sod with the sunroof should ensure that that too is closed and locked — as if it's ever been warm enough to open it in the first place.

Moving on to bolt-on, screw-in or wire-up goodies designed to outwit the baddies, they can again be split into three groups: Those aimed at preventing people getting into the car, those to prevent them driving it away, and those to

A remote set, like the Binatone Breakerphone (below), keeps all the vital bits of the rig out of sight.



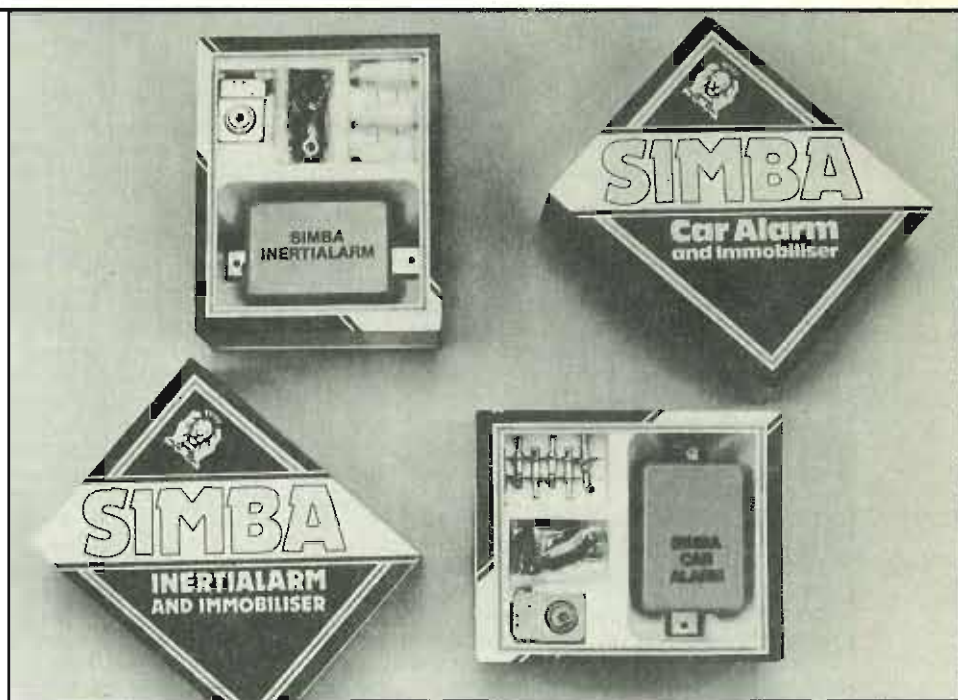
prevent your rig — or radio/cassette for that matter — getting half inched. We'll look at the last group under the 'rig' section, so for now we'll concentrate on the first two.

Short of enshrining the car in chains and padlocks, the only real deterrent against access is a car alarm. There are various types available but they are all designed to let anyone around know that someone is tampering with something they shouldn't. Or that some nurd has forgotten to turn off his alarm before opening up, but we'll just have to hope that they have some confidence in your common sense and report it immediately.

Probably the most common and effective kind of alarm sets off the siren, or the horn, if the car is rocked or nudged. They work on a swinging pendulum device which completes the circuit if it touches the contact on either side. Their advantage is that they wake up the neighbours before the door is even opened, but the disadvantage is that they also wake up the neighbours when some passing drunk stumbles against the car, if the device is too sensitive. But that's a small price to pay and besides, drunks can do a lot of damage — you should see our office. We'll give you a few prices and addresses in a bit, but first we'll look at the second type of alarm. These work either on the broken circuit or voltage drop principles. The former is set off when a connection between the door and door-frame is broken, the latter when power is drawn off from the battery — ie when the interior light is activated. Only problem is, the thief has already got into your car at this stage and there's always the chance that he/she/they can immobilise it before anyone realises what's happening or decides to do anything about it.

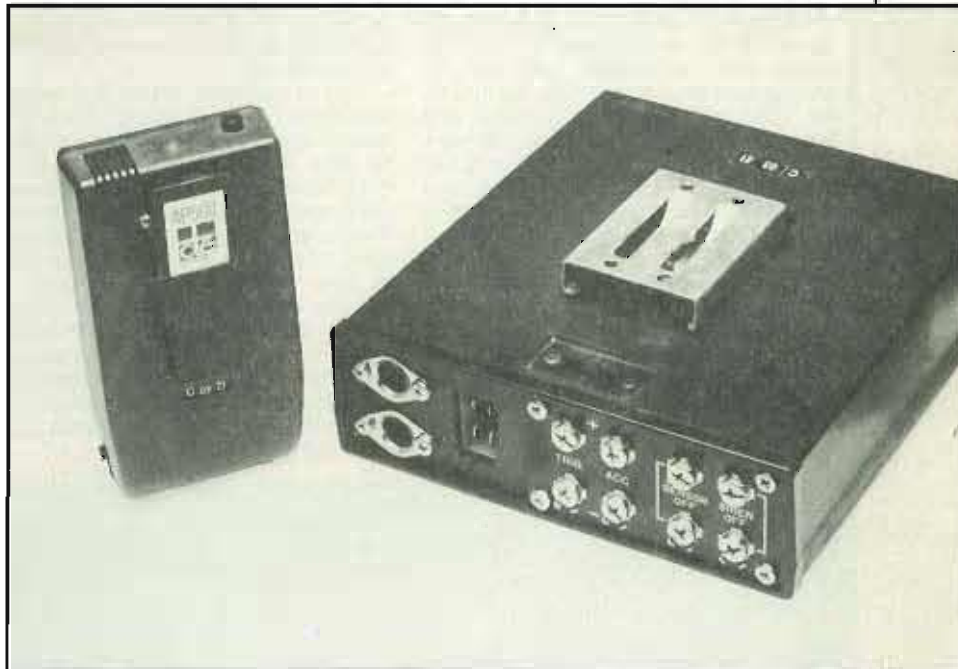
A bonus with some systems is that they feature an additional alarm loop which can be wired up to your rig. And right at the top of the range are alarms which feature remote warning. At the same time that the siren/horn is scaring the life out of passers-by, a radio signal is sent to a small bleeper device, which you carry with you, telling you that evil deeds are being done. The range on these units is around three miles and before you say, 'but when I get back the car might be gone', you can at least notify the police immediately the car is tampered with — instead of having to carry on in blissful ignorance until you return. Alarms are available through most car accessory shops and major stores but if you have any difficulty, try the following:

The remote paging system is known as the CRE AP500 and comes from Digitek UK, who live at Unit 3, Mitcham Industrial Estate, 85 Streatham Road, Mitcham, Surrey CR4 2AP. The cost is around £83 plus VAT. Bit costly, but recommended. Simba are a well-known name in alarms and produce systems for cars, bikes and just about anything else automotive. Their Inertialarm uses sensors placed in the car body to detect anyone forcing the doors, windows, boot or bonnet. It's microchip security and will set you back about £55. They also make a version for motorcycles, which costs about the same and prevents your bike being started, lifted or pushed. At the other end of the scale, Simba also do a straight car alarm for a meagre £18. For more



Above: Protect your rig and your car. Simba make various alarms, available from Halfords, Woolies and places like that.

Below: More complicated is the Pagealert from CTE. It sounds a paging device in your pocket if anyone tampers with your car.



information, contact Simba at Security House, Occupation Road, London SE 17.

If you haven't fitted an alarm, can't afford one (bit of a false economy, isn't it?), or it has been immobilised, how do we stop the car being driven away? There's a chance you might get the car back — eventually — but is that shiny new rig still going to be sitting under the dash? No, we didn't think so either.

The trick here is to immobilise the car and there are various methods of doing so — some DIY jobs which will cost you very little, some more elaborate and expensive accessories. All effective to varying degrees. One of the all-time faves of the DIY crew is the ignition cut-off switch. The ignition switch circuit is simply re-routed via a switch on the dash and the vital connection can't be made

until that switch is turned on. Disguise it by replacing a one-way switch with a two-way item and incorporating it in that and the job's done. Effective and cheap.

Many things have been done over the years — some devious and some downright bloody silly — to stop cars being driven away. One inventive chap cut off his gearstick near the base, threaded both ends and simply removed it when he left the car. Another went to the trouble of removing the steering wheel and slipping it in the boot. A little less extreme was the car owner who drilled the ratchet of the handbrake and slipped a padlock through the hole when it was engaged. Re-siting the ignition key unit itself has been done too. One accessory, which has been around so long it must have been invented just after the wheel,

is the Krooklok. Unless you were born yesterday, in which case it's a bit soon to be thinking even about pram security, you'll know it locks round the steering wheel and one pedal in the car, making it undriveable. They're available from car gobby shops up and down this crime-infested land.

As we've said, if your car goes, your rig goes with it. But there are some dastardly heathens who don't want your car — just your rig. This category also includes the passing yob, who wants to brighten up his evening, and the vandal, who has got tired with coshing old ladies and knows a CB set can't bash him with a handbag. We'll have a look at antennas first. Wake up, Nigel, it's heading time.

Antennas

Antennas deserve a category of their own, because they are the first indication that a rig sits therein. Ask your friendly neighbourhood Home Office official or customs officer, they sussed that out a long time ago.

So your antenna can either point the rig-hungry thief in the right direction more effectively than a flashing neon sign, or it can be the subject of theft, or vandalism, itself. The answer on all counts is to make it less obvious. And here, dear reader,



Simple and effective — the Krooklok.

As far as we can deduce from the Home Office's pathetic attempt at antenna specifications, they are legal and they're widely available from CB shops.

The alternative is to use an antenna which can be removed when you leave the car and this is where we meet our old friend the magnetic mount. And gutter mounts or boot mounts also score a few points. We should point out here that the one disadvantage with removable antennas is that if you don't remove them, someone else might. The co-ax cable is usually run through a window, or into the boot, and it's a piece of easiness to give it a swift tug and break it off from the connector or, even worse, pull it out from the set and damage the socket. Bearing that in mind though, a mag-mount or easily removed gutter or boot mount antenna, can be locked away in the boot or even taken indoors. It also means, of course, that you have removed the temptation from any passing jerk who wants to practice his granny knots in 1.5 metres of steel whip. On to the rigs themselves then. Nigel, I wish you'd concentrate.

Rigs

Here we are assuming that the black-masked, striped-T shirted, swag-bag-carrying rat is out on the prowl, or that the snotty-nosed twat-head is roaming the streets with nothing better to do than walk off with the first rig he sets his evil, little too-close-together-for-his-own-good eyes on. The answer is to ensure that neither of them set their eyes on your rig in the first place. No, put that screwdriver down. Gouging out their pearlies wasn't quite what we had in mind.

What you need to do is to take a leaf out of one of our little yellow friends' ricepaper books and turn your rig into a take-away. Or, at least, a hideaway. Before the thief does.

We've mentioned slide-mounts before in connections with different applications for your rig (whip it out of the car

and use it indoors — that sort of thing), but we're going to mention them again, which just goes to show how useful they are. The obvious problem of removing your rig frequently is that it'll soon get on your finger tips having to disconnect and reconnect it every time. But with a slide-mount, all the connections are made from the set to the bottom half of the bracket and from the car to the top half of the bracket. Instant slide in and out connections mean the rig can be safely stashed away in a locked boot or taken indoors. They're fairly cheap (around a fiver), freely available from any CB store and the only disadvantage is that the connections can become poor if you don't keep them clean.

Alternatively, you can keep the rig in the car but out of sight of those nasty beady eyes. Clearly it needs to be within sight and easy reach for you when you're using it, but if you had a pivoting mounting bracket, you could swing it back under the dash when you'd finished with it, couldn't you? Try the Pivot Rig from R and R, 141A Mount Pleasant, Redditch, Worcestershire. Send them £4.50 and it'll also cover post and packing.

If you don't fancy sliding or swinging, how about locking? Brammall Barrels are locking bolts — so you can either lock the rig to the mounting bracket, or the bracket to the car, or both — and come complete with keys. If your local goodies shop can't help, try JN Blair Ltd, Riverside, Market Harborough, Leicestershire (0858 64853).

With a final reminder about the alarm system, which can be connected up to specific items (a rig, say), that about wraps up the rig side of things. Take it away, Nigel. If you see what I mean.

Insurance

This is the 'if-the-worst-comes-to-the-worst' department. With all due respect to our boys in blue, it's not likely you'll see your rig again if it does get ripped off.



you have a choice. You can either buy a disguise antenna, serving as a joint CB/car radio aerial, or you can buy a CB antenna which can be removed when you leave the car. If you are using, or have used, AM you'll know all about the disguise antenna. Let's hope none of you have any criminal instincts outside of operating illegal radio. The disguise is a straight whip antenna which, apart from not being telescopic, looks like an ordinary car aerial. The loading, usually a dead giveaway, is hidden under the wing — so roof mounting is out — as is the splitter box which gives you the car radio/CB facility. The advantage, apart from the fact that it is disguised, is that you only need one antenna, but the disadvantage — isn't there always one? — is that it is not as effective on the CB side of things as a purpose-built CB twig.

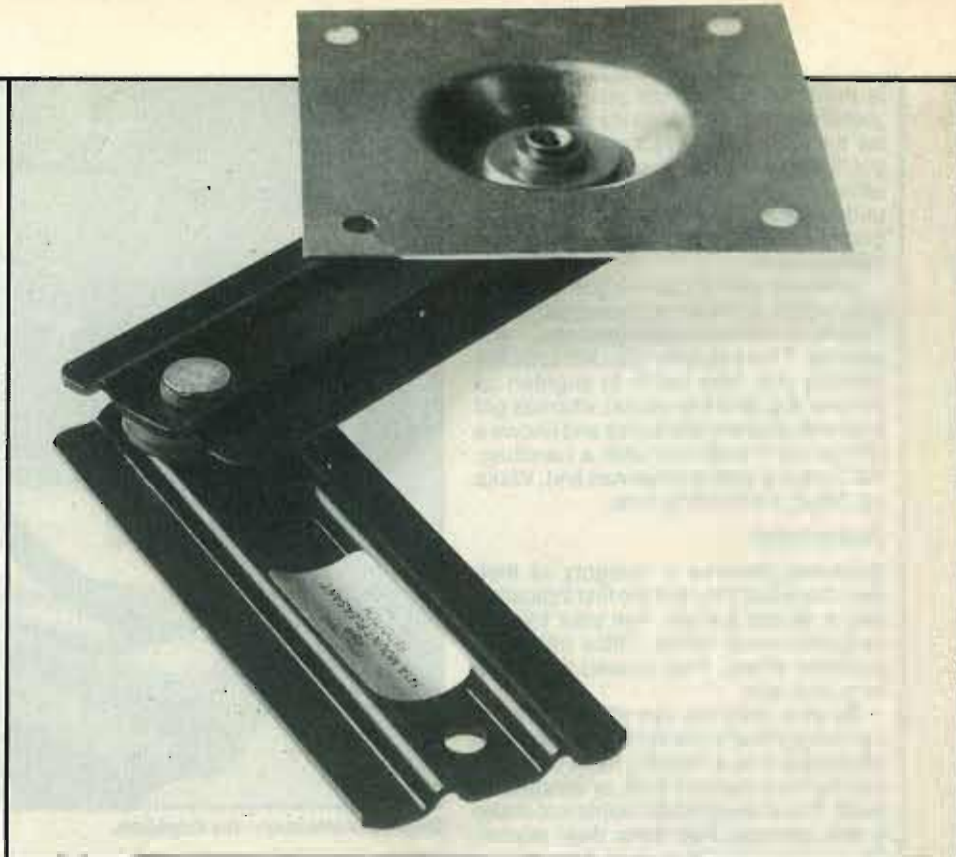
They're frequently sold secondhand quite legitimately, so they are very difficult to trace. We'll give you a few ideas of what you can do to help in a moment but first we'll look at insurance, so at least you can get some compensation. Perhaps.

If you've got car or house insurance, check with your company as to just what contents coverage you've got. If you're not already covered, you'll find they're more than welcome to give you a quote, but shop around before making a decision. And ensure you know exactly what you're getting for your money. It probably won't cover anything but theft (damage, wear and tear are out) and you'll almost certainly have to make up the first fiver or so. And some companies specify that the car must be garaged, so it's worth checking the smallprint carefully.

Some companies specialise in CB insurance. Try David Allen (Insurance Consultants) Ltd at 24 Queen Street, Huddersfield, West Yorkshire or phone them on 0484 47027.

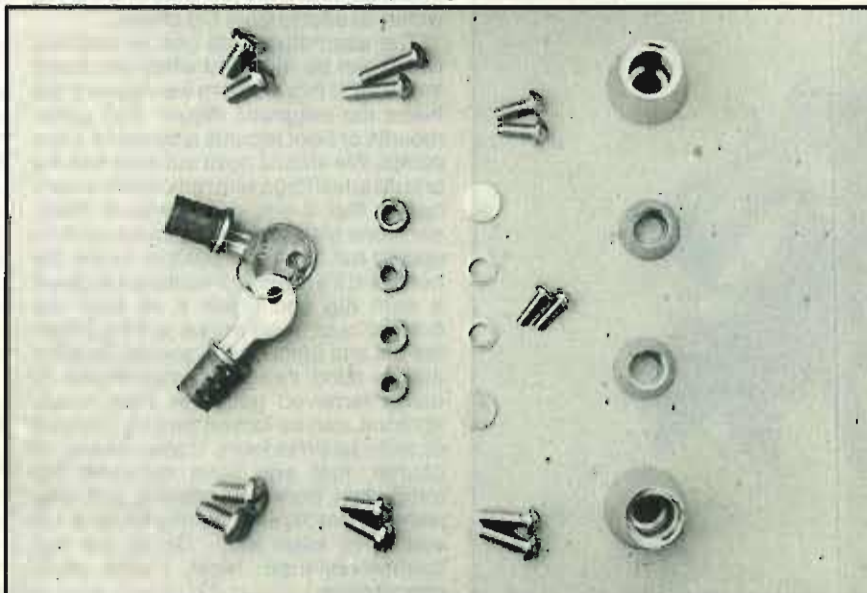
Taking note

So despite all you've done to prevent it happening, or because you were too bleeding lazy and it-would-never-happen-to-you-anyway, your rig has been enticed away for a drive in someone else's nice shiny motor. What now? Top of the list, even before stamping your little feet and cursing the rotten bastards, is report it to the police. Immediately. They need all the details, of course: Name, time, place (not too difficult if you're sober), make and model of the set (you've been boasting to your mates



Above: The pivot rig comes from R and R and means your rig can be pushed out of sight under the dash.

Below: Locking bolts are one way to secure your rig.



about it all evening, right?), serial number . . . ah. Slight problemette? Didn't make a note of it, did you? Too late now, pal. Tough.

Now, while we're all laughing at him, how many of you have made a note of all the relevant information which would be required by the authorities? That's narrowed it down a bit. And how many of you have got that information in your car? And what if the car gets stolen?

It's important to make a note of every detail regarding your rig — right down to scratches and distinguishing marks. It will all help. And while we're on the subject, it might be worthwhile having your name and address engraved on the set — on the front as a deterrent if there's room — so if someone does come across it, it can be safely returned. Getting back to the information, we've printed a little form for just that purpose, so you can cut

it out, stick it on a piece of card and put it somewhere safe. We've made it driving licence size, so you can slip it into the nasty plastic wallet they supply, but if you want to tuck it away in that draw where you keep all the unpaid bills and red letters, it's up to you. Anywhere safe. If you don't want to cut up the magazine, and we wouldn't suggest you borrow a mate's, jot it down on a piece of paper. But do it now . . . Well, when you've finished reading this. We've left space for details of your car too. Just in case.

Finally, after you've contacted the police and the insurance company drop a line to us and we can print details in Breaker. There's some delay before we can get the information out on the streets (we've got to print it, after all), but it does help a little to spread the word among the breakers in case they're offered it. And every little help helps.

Security

Rig details

Make: _____
 Model: _____
 Distinguishing marks: _____
 Serial number: _____

Police

Dial 999 or local police station: _____
 Address: _____

Insurance company

Name: _____
 Address: _____
 Phone number: _____
 Policy number: _____

Vehicle details

Make: _____
 Model: _____
 Registration number: _____
 Colour: _____
 Chassis number: _____
 Engine number: _____

Also notify Breaker magazine.

Write to: Hot gossip, Breaker, Link House,
 Dingwall Avenue, Croydon, Surrey.

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Fidelity Model CB1000 FM	£69.95
Fidelity Model CB2000 FM	£89.95
Harvard Model H2 Walkie Talkie	£24.95
Harvard Model 410T Walkie Talkie	£69.95
Harvard Model 400M	£69.95
Harvard Model 405T	£95.95
LCL Model 2740	£79.95
DNT Model M40FM	£79.95
Mustang Model CB1000	£69.95
Mustang Model CB2000	£79.95
Mustang Model CB3000	£97.75
Reftec Model 934, 934mHz	£230.00

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P.S. 3/5 Amp Power Supply	£9.95
P.S. 3/5 Amp British Power Supply	£13.95
P.S. 5/7 Amp Power Supply	£16.95
P.S. 6/8 Amp British Power Supply	£18.95
P.S. 19 Amp 13.8 Volt Power Supply	£79.95
Base Station Consul with PSU, SWR and Extension Speaker	£39.95

If you buy a rig and base station consul from us we will fit the rig in the consul and test it for you free of charge.

TRANSISTORS & ICS

AN 103	£2.78	MRF 475	£3.05
AN 612	£3.45	2SC 495	£1.10
BA 521	£4.16	2SC 496	£1.31
LA 4031P	£3.21	2SC 710	£1.80
LC 7120	£5.87	2SC 1096	£1.72
LC 7130	£5.93	2SC 1173Y	£1.69
MB 3712	£4.71	2SC 1306	£2.73
MC 1496P	£2.63	2SC 1307	£3.00
TA 7130	£1.93	2SC 1449	£1.67
TA 7205	£3.72	2SC 1675	£0.75
TA 7222	£4.07	2SC 1678	£2.67
TA 7310	£2.78	2SC 1923	£0.43
TC 9100	£7.91	2SC 1945	£2.97
UPC 575C2	£3.86	2SC 1969	£2.93
UPC 1156H	£4.26	2SC 2029	£2.60
CA 1458E	£0.75	2SC 2078	£2.90
MSM 5807	£5.87	2SC 2166	£2.73
LM 383T	£3.82	2SC 2314	£1.41
UPD 2816C	£15.81	2SK 34	£1.90
AN 7150	£3.97	2SK 45	£1.85
PLL 02A	£4.97	2SK 19	£1.85

ACCESSORIES

PL259-6 Ant. Plug for RG58 Cable	46p
PL259-9 Ant. Plug for RG8 Cable	46p

PL258 Double Female PL259 Back to Back	46p
M563 Double Male PL259 Back to Back	76p
SO239 Chassis Mount Socket 4 Hole	46p
M358 PL259 T Three Way Adaptor	£1.48
Lightning Arrestor PL259 Back to Back	£1.80
CB4 4 Pin Mike Plug	72p
4 Pin Right Angle Mike Plug	£1.30
CB5 5 Pin Mike Plug	72p
5 Pin Din Mike Plug	35p
3.5mm Ext. Speaker Jack Plug	20p
Cig. Lighter Plug with Lead	£1.10
DV Surface Mount with Wing Nut & Bolt	£2.50
DV Base Plug P27	70p
DV To Valor/Cherokee Adaptor (Banjo)	90p
K40 Magnetic Mount	£12.50
Cherokee 301 Magnetic Mount with Lead	£12.65
Cherokee 401 Magnetic Mount with Lead	£15.45
Cherokee 103 Quick Disconnect	£4.50
Cherokee 142 RM Surface Mount for Roof	£3.85
Cherokee 142 WAD Surface Mount for PL259	£3.95
Avanti AV 241 4" Moonraker Hole Mount	£18.25
Avanti AV 241 M 4" Moonraker Mag Mount	£23.45
Avanti AV 241 T 4" Moonraker Trunk Mount	£19.95
K40 Antenna (Hole or Trunk Mount)	£31.45
Cherokee 520 Half Breed 1.5kW Base Loaded	£13.25
Cherokee 530 24" Dial-A-Match 25W Base Loaded	£13.95
Cherokee 540 48" Dial-A-Match 100W Base Loaded	£14.65
Cherokee 555 24" Dial-A-Match With Mag Mount	£21.85
Cherokee 556 48" Dial-A-Match With Mag Mount	£22.55
Cherokee 560 Warrior 1.5kW Centre Loaded	£15.25
Cherokee 531 HBF 530 + Trunk Mount & Lead	£26.40
Cherokee 531 SMF 530 + 142 WAD & Lead	£25.40
Cherokee 541 HBF 540 + Trunk Mount & Lead	£27.20
Cherokee 541 SMF 540 + 142 WAD & Lead	£25.75
HMP GPA 27 1/2 18" Base Antenna	£19.95
Hy-Gain 533 3 Element Beam	£52.50
KLB 110 50 watt Linear + Meter & Pre-Amp	£72.95
RP 20 Variable 20db Gain Pre-Amp	£15.95
Deluxe CB Slide Mount	£4.95
CB 3A 3 Way Antenna Switch Box	£5.50
Patch Leads	£1.50
Fuses 2, 3, 4, 5 amp, 20mm or 1 1/4" per pack of 10	£1.40
Nickel Cadmium Batteries 'AA' size	£1.15
TR 175 7 volt Battery for Power Mikes	£2.53
Rodger Bleep to fit any Rigs	£5.95
60 amp. Alternator & Generator Noise Filter	£2.30
3 amp. Hot Line Filter (Fits on back of rig)	£2.95
High Pass TVI Filter (Fits on back of TV set)	£3.50
FS2 Simple Single Meter	£7.95
Rama 006 SWR/PWR/Matcher & F.S.	£15.95
SWR 25 SWR/PWR Twin Meter	£12.95
Hansen FS 5 E	£29.95
Hansen SWR 50 B	£22.95
Rama PC 3 Power Reducer	£16.95
Rama PC 5 Power Reducer with Meter	£21.95
Replacement Mike Fits Most Rigs	£5.60
Hy-Gain H 1022 Telephone Handset	£14.95
K40 Speech Processor Microphone	£33.50
Turner Expander 500 Base Mike	£59.95
Ham-Master 4200 Base Mike	£32.95
Ham-Master 4500 Base Mike	£44.45
CBS 140 Kraco Extension Speaker	£4.60
K40 Extension Speaker	£5.95
5 Watt Public Address Horn	£4.95
12/15 Watt Public Address Horn	£9.95
SMCL 150 PL 150 watt Dummy Load	£15.65
CB 707 5 Watt Dummy Load	95p
DL 3030 Watt Dummy Load	£6.45
Heavy Duty Gutter Mount	£3.25
Hirschmann Ro 250 Rotator	£49.50
SL 100 Support Bearing for Hirschmann Rotator	£15.00

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Which CB? —the rig guide

You might have noticed that we don't feature a 'Next Month' panel in Breaker. There are several reasons for this, the major one being that we usually have no idea what we're doing next month, but it does mean that we can keep as up to date as possible with developments in the market. Sounds good, huh? Almost believe it ourselves. What we do do (de do run run), however, is occasionally change the format of our regular features as and when the changing market — or you, the readers, demand. Now is the time, we think, to bring you up to date with our plans for rigs news, tests and specification tables.

In the early days of FM, there were only a few new sets coming onto the market each month, so we simply passed the details on as soon as we received them. Actually getting hold of the sets on the other hand was a different ball game altogether, as they are apt to say in our marketing department, and borrowing prototypes or pre-production models for test was less than easy. And we also felt it made more sense to tests rigs, which you could actually buy rather than those put together specially for the press. After testing a supposedly legal set from one company and finding it was actually putting out eight watts, we were sure.

But that was the early days — only a matter of months ago, but that's a long time in the CB business. Maybe we could angle for early retirement. Now we've got more rigs than the North Sea — piled up in the corner, propping the end of the desk where the leg's a bit loose — and companies are forming queues longer than the unemployed to thrust rigs in our sweaty little mits. Which is as good a time as any to thank them all for helping us out when we come up with some of our sillier ideas.

So, to the future. We will, of course, continue to bring you news of any new products, or those which you might have missed in the recent rapid growth of the market. These won't be full tests (we'll get to those), but rather a pic and description of the set by way of an introduction to the Which CB? buyers guide. Some of the rigs making their appearance now are a little more sophisticated than the earlier models, many of which were kept simple in order to speed up their development and production for the post-legalisation boom.

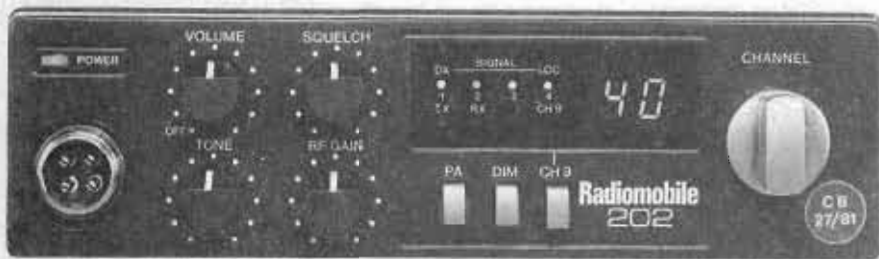
Full tests are time and space consuming and obviously it will take us a while to work our way through those available — for this reason we are concentrating on rigs which are freely available and/or most interesting. But if there's one you would particularly like to see put through its paces, let us know. No promises, mind. You know us better than that, right? The thoroughness of the tests themselves is obvious from the features, and the Breaker Data panels mean you don't have to search through yards of our verbage, or inaccessible tables.

There's no need to run through the terms used on the tables before we look in more detail at some of the new additions, is there? All right, just the abbreviations then: PA — public address; NB — noise blanker; ANL — automatic noise limiter; RX — receive and; TX — transmit.

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	ADS LTD, 239 DICKSON RD, BLACKPOOL, LANCS
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, LIVESSEY ST. SHEFFIELD
GREAT	BRITANNIA LTD, NORTHERN RD, SUDBURY, SUFFOLK
HAM INTERNATIONAL	25 BUCKLAND ROAD, LEICESTER
HARRIER	ALL DIXONS STORES
HARVARD	HARRIS OVERSEAS LTD, 14-15 THAMES ROAD, BARKING
INTERCEPTOR	CHELSEA CB CENTRE, 73-77 BRITANNIA RD, FULHAM, LONDON

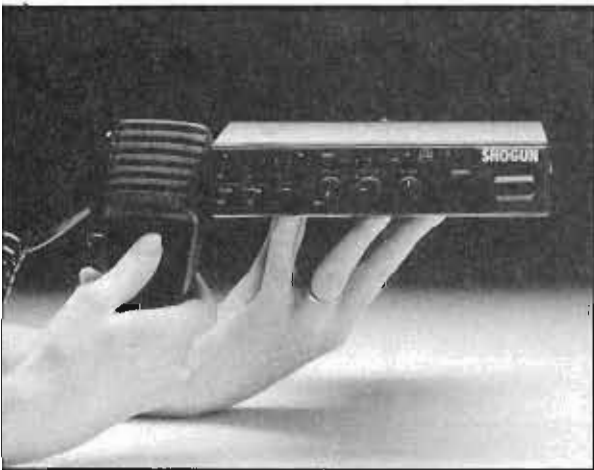


MODEL	TYPE OF SET	NO OF CHANNELS	SQUELCH	VARIABLE RF GAIN	MIC GAIN	DELTA TUNE	SWITCH	VARIABLE	TONE			P.A.	ROGER BEEP	NB	ANL	AUTO NOISE FILTER	SWR METER	P.A.	R.X.	T.X.	INDICATOR LIGHTS		METER		MIKE		SWR SAFETY CUT-OUT	DISTANT-LOCAL	STANDBY	CH9 SWITCH	HEADPHONE SOCKET	DIMMER	AUTO SQUELCH	ATTENUATOR	PRICE (Approx E)	OTHER FEATURES
									P.A.	ROGER BEEP	NB										SIGNAL	POWER	FRONT	SIDE	SWR SAFETY CUT-OUT	DISTANT-LOCAL										
900	M	40	•	•				•									•	•																79	LED SIGNAL STRENGTH	
901	M	40	•	•				•	•								•	•																	95	LED SIGNAL STRENGTH
GT868	M	40	•	•	•			•																											70	
HB940	M	40	•	•	•	•	•	•										•	•																90	
Longranger	H	1/2	•																																80	
Speedway	M	40	•																	•	•	•													70	
Route 66	M	40	•							•									•	•	•	•	•												70	
5 Star	M	40	•	•	•	•	•	•													•	•	•					•		•					100	INT/EXT SPEAKER
Powerbase	B	40	•	•		•	•													•	•	•	•					•	•						100	
Breaker phone	M	40	•		•															•	•														110	CHANNEL SCAN
21X	M		•																		•		•												79	
295	M	40	•																		•	•	•	•											85	
Nato	M	40	•	•																		•	•	•	•										130	80 CH AM FACILITY
Beta 1000	M	40	•																			•	•	•											N/A	
Beta 2000	M	40	•	•				•													•	•	•	•											N/A	
Beta 3000	M	40	•	•				•														•	•	•					•						N/A	
HF-12/13	H	3	•																																42	
HF-13/40	H	40	•																			•	•	•											71	AVAILABLE 1982
M40	M	40	•																			•	•	•											85	
B40	B	40	•																			•	•	•											95	
1000	M	40	•																			•		•											60	
2000	M	40	•	•	•			•														•		•					•		•				80	
Interceptor	H	2	•																																29	
Communicator	H	40	•																																69	
Buzzing Bee	M	40	•	•																		•	•	•	•										75	
Hawk	M	40	•	•	•																	•	•	•	•										86	
Bluebird	M	40	•																			•	•	•	•										102	
Gemini	M	40	•	•																			•	•	•										141	LED DISPLAY
Base Station	B	40	•	•		•																•	•	•	•										287	
GT 858B	M	40	•																				•	•											65	
Explorer	M	40	•																				•	•	•										75	
Mariner	M	40	•	•				•	•	•	•	•											•	•	•	•									110	
Hercules	B	40	•	•	•			•	•	•													•	•	•	•									165	
WT1	H	2	•																																25	
WT2	H	40	•																				•	•											65	
CB	M	40	•																				•	•	•										80	
CBX	M	40	•	•	•	•	•																•	•	•	•				•					110	
HQ	B	40	•	•		•																	•	•	•	•				•	•				150	
020	H	2																																	20	
410T	H	40																					•	•	•										80	
400M	M	40	•	•																			•	•	•	•									80	
402MPA	M	40	•																					•											80	
420M	M	40	•	•	•																			•											100	
Interceptor	M	40	•	•																			•	•	•	•									80	
TC400	M	40	•	•	•			•															•	•	•	•									95	
Remote	M	40	•	•																			•	•	•	•									125	
HB600	B	40	•	•	•			•															•	•	•	•									180	



Right, first up is the romantically named Shogun from Sunrise Products. The company describe the rig as 'superior quality', and while we will reserve comment on its performance until we have been able to do a full test, it is well appointed, attractive and, at around £99 retail, well priced.

The most interesting feature of the Shogun is the selective call facility, which when used with the appropriate encoder/decoder ensures only certain calls are accepted. We'll be looking at selective call in more detail in a future issue.



In line with the 'new generation' sets, the Shogun is of slimline design but, unlike the Voxon Tenvox, includes a built-in speaker. Signal and power (in watts) readouts are in the form of progressive light displays. The set also includes PA, tone control, delta tune and RF gain. And if it works as good as it looks, they could be on to a winner. We can't yet supply details of distributors, but you could try ringing them on 01-248 8351.

From South Midland Communication (well known for their antennas) comes the Oscar One rig, again a clean looking set, selling at around £85. For your money you get delta tune, channel switch (using a neat dual control) and attenuator, plus the usual volume, squelch and channel controls. We'd describe the fascia as 'sculptured' if we didn't know better.

Cobra have been around with AM equipment for an age but their FM set hasn't been over here very long and since it's only just made its way into the guide, we'll give you a quick rundown. Bet they thought they'd got away with it.

Their 21X is nothing flash — and looks suspiciously like a lot of other rigs around — but the price is right at just under £80 and you get all you need. That includes volume, squelch and channel control, of course, plus an attenuator for the dreaded and dreadful home base antenna specs. It's got the name, it's clean enough... what more do you want? Blood? If you can't find the Cobra locally — you shouldn't have too much trouble — try the importers and distributors, Mura, at 295/297 High Road, Willesden, London NW10.

Another set which looks, shall we say, not dissimilar to a number of others around at the moment is the Manor Kestrel. They're selling at under £100 — a good price for PA, roger bleep, channel 9, RF gain and tone controls. And there's RX and TX lights, so you know if you're coming or going. Again, the UK distributors are the best bet, if you can't find them in your neck of the woods: Call 061 225 3070 and the Manor National Group will tell you all you need to know.

Lowe Electronics (Chesterfield Road, Matlock, Derbyshire) are best known for radio ham equipment — which is, incidentally, usually better quality than the majority of CB gear — so they are well qualified to produce CB and have come up with the Lowe TX40, selling at a much cheaper bargain price of £69.50, or thereabouts. Expect the usual plus delta tune, RF gain and an attenuator switch and you won't be disappointed.

BRAND NAME	COMPANY NAME AND ADDRESS
JOHNSON	STAR WAREHOUSE, CAMDEN GOODS DEPOT, CHALK FARM RD, LONDON
JWR	JOHN WOOLFE RACING WOOLFE HOUSE, NORSE ROAD BEDFORD
LAKE	ADS LTD, 239 DICKSON RD, BLACKPOOL, LANCs
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
SIRTEL	24 ALFRIC SQUARE, WOODSTON INDUSTRIAL ESTATE, PETERBOROUGH
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

**Which CB?
— the rig guide**

MODEL	TYPE OF SET	NO OF CHANNELS	SQUELCH	VARIABLE RF GAIN	MIC GAIN	DELTA TUNE	TONE		ROGER BEEP	NB	ANL	AUTO NOISE FILTER	SWR METER	INDICATOR LIGHTS			METER		MIKE		SWR SAFETY CUT-OUT	DISTANT-LOCAL	STANDBY	CH3 PRIORITY	HEADPHONE SOCKET	DIMMER	AUTO SQUELCH	ATTENUATOR	PRICE (Approx £)	OTHER FEATURES
							SWITCH	VARIABLE P.A.						P.A.	R.X.	T.X.	SIGNAL	POWER	FRONT	SIDE										
Johnson	M	40	●	●				●						●	●	●												44		
M2	H	40	●											●	●	●	●											60		
DIPLOMAT	B	40	●	●					●			●		●	●	●	●					●	●					194	SELECTIVE CALLING	
Manxman 850	M	40	●														●											87		
Manxman 950	M	40	●	●													●											95		
2740	M	40	●											●	●	●	●				●							N/A	CHANNEL FREE LIGHT	
Communicares	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																										60	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	●					●									●											N/A	AVAILABLE 1982	
934	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	●					●									●											80		
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		
Uniac 100	M		●					●									●											80		
Uniac 200	M		●	●		●	●	●									●						●					100		
	M	40	●											●	●	●	●				●							120		
861	M	40	●					●									●											70		
863	M	40	●	●	●	●	●	●									●					●						90		

Haulin' ass

Wreckers International. With a name like that you'd expect them to be arch rivals to International Rescue, the sort of people who'd fly round the world creating havoc closely followed by the Thunderbirds waiting to perform their usual miracles — save the world and be home for tea.

Strangely enough, Wreckers International's products wouldn't look out of place next to some of the Thunderbirds equipment. Take a look at the piccies and you'll see what we mean — they turn out some very nice trucks. The wreckers bit in the title may be a bit confusing, especially if you're British. According to our dictionary a wrecker is 'one who tries from the shore to bring about a shipwreck in order to plunder or profit by wreckage', but the phrase is a bit of an Americanism and in trucking circles it means a tow-truck. Though that too seems inadequate for the vehicles they produce.

The company started out back in 1922 as a Ford main dealer in the Enfield and Hertford areas, and selling trucks and agricultural equipment remained their main business until 1967. But while the truck side kept the money coming in they launched a number of subsidiary companies in car and plant hire, and one, Dial Holmes, which imported wrecking trucks from the USA and sold them in Europe. This proved to be the vital connection.

Importing and adapting trucks proved to be so successful that Dial Holmes split from the old business entirely and started marketing their own conversions on any chassis the customer wanted. In 1972 they changed their name to Wreckers International.

Nowadays, the company operates from Hertford in Hertfordshire, although they have a sales office in Florida. Their most impressive trucks are the big Americans, like Captain Hook, the beautiful Peterbilt wrecker which you might have seen at last year's Custom Car show. At the moment, though, the company no longer handles American trucks for two reasons. The smaller trucks are all petrol powered and far too expensive to run in this country, or in fact just about anywhere in Europe at the moment, and the large trucks are now just proving too expensive to buy. Recently, Wreckers were quoted £49,000 for a Mac chassis, which after their conversion work would have pushed up the price to around £87,000. This means they are no longer a paying proposition for business use, not even in the oil rich middle east where the Arabs are now far more careful with their money than people think. Mind you, if you've got the money Wreckers will certainly build you one . . .



On an ordinary level, the company will build a wrecker for you on just about any chassis you can come up with. The cheapest conversion is about £1,200 to make your Transit into a tow-truck, up to £37,000 to change your juggernaut into a 100-tonne monster able to lift 40-tonne lorries out of ditches.

In a good year the company can handle 150 trucks, all of which are fitted with their own make of lifting gear. Last year they managed a turnover of £3 million, which is good considering their size (only 30 people) and the recession which hit sales. At the moment they've got 85% of the home market, which is holding up well, and half their production is exported all over the world, working in places from lumber camps to gold mines. For the future Wreckers see the home market moving in to smaller tow-trucks and the export market going for strong, simple hydraulic lifting gear.

The American side of the business is not really concerned with trucks, although they will take on conversion work. They don't have any production facilities out there but do have the contacts to put work out to, which includes the custom paint jobs (which they can do on either side of the Atlantic). The American side is kept up for two reasons: one, because they also sell American goods in Europe and need someone out there to look after that end, and two, because they sell British goods such as the Air Cushion (a balloon which can lift trucks) in the USA. That side of the business has been going so well that Mr Jackson, the director who manages the American side, has been appointed Head Lecturer for the Towing Recovery Association of America to speak to drivers all over America on methods and safety. Not bad for a Brit, eh? If you want to contact Wreckers International, phone them on Hertford 59311.



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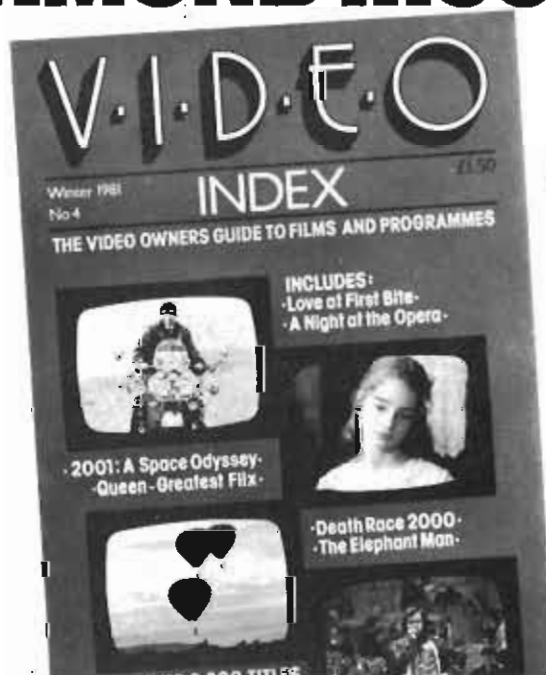
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 A LINK HOUSE PUBLICATION

Airwaves

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

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 Cornie
288 Hardgate
Aberdeen AB1 6AD

19-59 Breakers Club
meet Tuesday at
Glasbridge Club
c/o 106 Bosworth Road
St Helens
Merseyside
WA11 9HQ

27-81 Breakers Club
c/o 5 Dalton Close
Hayes
Middx
meet every Monday at
Greenwood Arms,
West Whitton Ave,
Northolt, Middx

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
Saltlake
Shipley
West Yorks

Airwave Breakers
Every Monday at
The Plough
Bedminster
Bristol

All Breakers Club
190 Evelyn Street
London SE8

**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

Appollo CB Club
Pasture Road
Moreton
Merseyside

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

Auld Reekie Breakers Club
meet Mondays at
Capercaillie Bar
Bernard Street
Edinburgh

Associated Breaker's Club
c/o Dial Electrics
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

Avanti Breakers Club
c/o Post Office
Newton of Falkland
Cupar
Fife

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

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 Warmely

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

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

Barrier 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 Meyfield Way
Barwell
Leics

**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
Barnetby
South Humberside

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

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

Biscuit 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 Wemom Arms
Spondon
Derby

Border Breakers Club
c/o Cathedral Garage
Weybread
Harlestone
Northox

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

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

BP Breakers Association
19 St Helens Avenue
Frimby Maryport
Cumbria

Bracknell Breakers
Every Sunday at
The Bridge House
Wokingham Road
Bracknell
Barks

Braithwell Rig & Twig Club
Every Tuesday
Braithwell WMC
Sth Yorkshire

Bramley and District Breakers
5 Ferncliffe Terrace
Leeds
Yorkshire

Breakaway '81
Every Friday night
The Plough
South Ockendon
Essex

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

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

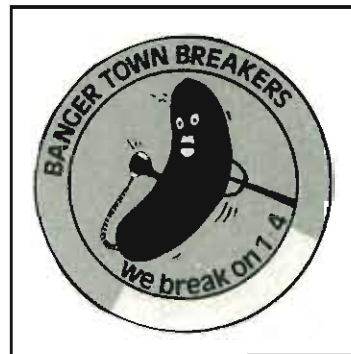
Breakers Yard CBC
Every Monday at
St Helier Arms
Carshalton
Surrey
Tel: 01-669 5441

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

We'd like to start this month's club news with an apology . . . so we will. Very Sorry Indeed, postmen everywhere. There they were, piled up to their postmarks with Christmas cards, parcelled-up slippers and letters to Santa and we said: 'Fill in the Club Call form and send it to us'. And you did. Nearly all of you, it seems. We'll buy you posties a pint next time we see you, all right? And if you're bogged down with post for our resident QSLer Mike Newbold, we'll get you a packet of crisps too.

But very many thanks to everyone who filled in the form and returned it with a note/Christmas card/photo — and it was nice to hear from so many new clubs. Whether AM, FM or just CB, they look like doing well if the present enthusiasm continues. But before we get onto the club news proper, a black notette: If your club has folded, is folding or has changed its name/meeting place, let us know because we want the listing to be as up to date as possible — we're not mind-readers, you know. Although after dealing with the Home Office for so long we ought to be. And finally, whether you've written to us before or not, keep the news coming in. These are your pages and we can't fill them without you. Right, on with the business:

Marathon letter of the month award goes to Mike Eater of the Banger Town Breakers from Haverhill in Suffolk. The



400-strong club seems like a goodie — expect a full feature on them soon. Their banger badge is being redesigned, which is a shame because we quite like it. Any more unusual emblems out there? . . . The FM only Banff Breakers Club are one of the many new clubs in this month's list — 250 strong so far. . . There'll soon be more British breakers in Germany than over here. Good to hear from the Soest UK CB Set. They list raising 500DM for BMH Iserlohn among their achievements. As with all the clubs featured in the news bit, check out the list for contact details. . . The 19-59 Breakers Club on Merseyside are named after their local breaking channels. Or maybe the channel came after the name. . . Live in South Dorset and run FM? A member of the Clouds Hill Breakers Club? No? Check the list and go to it. . . Reading's 10-36 club tell us they handed over £300 to the Hephais-tos school to buy two special typewriters. They also tell us one of their committee members is called Sid Snot. Not to be sniffed at, is it? . . . Ten members doesn't seem much to shout about — but on the Isles of Scilly? If you're local, look for the Scillonian Breakers Club. . . Staying off the

Airwaves



mainland, we got a racy QSL card from the South Side Breakers on the Isle of Man. The 350 members raised £400 for St John Ambulance last year, so they're not just a pretty card . . . The Kingdom Breakers Club in Fife, Scotland, organised a nationwide CB link-up to boast the funds for their rigs for the disabled campaign. News got to us too late for advanced publicity but hope it went well. The club's done a lot of work towards equipping the disabled with CB and we'll be looking at them in next month's special feature on the subject. Two of their teenage members took part in a sponsored ratchet — sorry we haven't got your names or handles, but well done, anyway . . . **New address for the Dare Breakers** — but I don't think there's enough keys on my typewriter to cope with it, so look it up, huh? . . .

Don't tell anyone, but Andy Russel dresses up as a Viking. And Ice Maiden slips into a Dick Turpin costume occasionally. Won them first prizes in the men's and ladies' sections of the Big H Breakers' fancy dress disco though . . . **Another** new FM club. Early days yet but the Roxton Breakers Club are open to members from Bedfordshire and Cambridgeshire . . . **The** Baby Care Unit at the Royal Gwent Hospital is £350 better off thanks to the local Cuckoo Breakers Club. And especially thanks to members Rollin Thunder and Mermaid, who did sponsored parachute jumps to raise some of the money. The pic shows club members on a camping and caravan-



ning weekend in the Forest of Dean. Adventurous lot in Gwent . . . **A** new club has been formed near Edinburgh and comprises mainly of Breakers who modulate from the top of Calton Hill. Called, not surprisingly, the Calton Hill Club, they were planning a convoy to London last month, but again let us know too late for us to pass it on. Remember: Post early for Airwaves:

Bridgetown Breakers Club
Meet at Phoenix Social Club
Heesle Road
Hull

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
Badger in the Brook
Shirebrook
Mansfield

Broadland Breakers Club
First Sunday at
White Swan
Staham Norfolk

Bromsgrove Breaker's Club
PO Box 5
Bromsgrove
Worcs.

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

Buckingham Breakers Club
35 Addington Road
Buckingham

Buggen Bandits CB Club
On channel 13
BFPO 25

Burns Breaker Club
c/o Braehead Hotel
Whitlells Road
Ayr
Scotland

Bury CBC
c/o CB Paradise
69 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

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

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

Canyon Breakers
meet Mondays at
Sportsdrome Club
Bolsover
Chesterfield

Cardiff & District Breakers
80 Richards Terrace
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
Kidderminster, 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
West Lothian

CBA
Coronation Service Station
Middleton Road
Heywood
Lancs

CBA Fife
16 Bayview Crescent
Methil

CBA Reading
PO Box 123
Reading

CBA Sussex
15 Buckingham Mews
Shoreham By Sea
Sussex

CBGB Club
103 Southwood Road
Downside
Dunstable
Beds

CBGB
CB House
Crosby
Liverpool

CB Information Centre
7 Sandringham Crescent
Harrow
Middx HA2 9BW

CB-NE
PO Box 61
Sunderland SR3 1EZ

CB Radio Action Group
55 Dartmouth Road
Forest Hill
London SE23

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

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

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

Cheesy Breakers Club
116 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
Penkhull
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

Clogtown Claypit Breakers Club
Aquarius Club
Hallden Street
Dean
Bolton

Clouds Hill Breakers Club
c/o 15 Purbeck View
Bowington Camp
Dorset

Club 14
Every Thursday at
Spotted Cow
Wilkesden High Road
NW10

Club Breakaway
c/o 123 Hasler Road
Canford Heath
Poole
Dorset

Clyde Coast Breakers
c/o Island Hotel
New St
Stevenson
Ayrshire

Clydeside Breakers Supporters Club
62 Rosemount Crescent
Carstairs
Lanarkshire

27 Coastline Breakers
PO Box 24
Rhyd
Clwyd
North Wales

Coastline Breaker's Club
Meet every Wednesday at
Wash and Tople
Le Strange Terrace
Hunstanton
Norfolk

Colditz CB Club
c/o Greenway School
Doncaster Road
Southmead
Bristol

Copy Cats Club
The Manager
Martholme Grange
Altham
Accrington
Lancashire

Corn Grinder's Club
The Pheasant Inn
Windmill Street
Bill
Bucks

Cottonmount Breakers Club
Alternate Tuesdays at
Cottonmount Arms
Mallusk
Newtownabbey
N. Ireland

County Area Breakers Club
4 Corbet Gardens
Ardersier
Inverness

Country Town Breakers Club
Angorfa
Baptist Street
Penygroes
Caernarfon
Gwynedd

CREST Leads
Every Tuesday
The Gate Hotel
Kenilmore Avenue
Leeds 14

Crewe Breakers Club
1 Main Road
Crewe
Cheshire

Cromwell Breakers
c/o The Winning Post
Market Deeping
Peterborough

Cuckoo Breakers
c/o 61 Llanfach Road
Abercarn
Gwent NP1 5LA

Cuckooland Breaker's Club
PO Box 2
Penicuik
Scotland

Dare Breakers Club
c/o The Ysguborwen Hotel &
Country Club
Llwydcoed
Aberdare
Mid Glamorgan

Dark Island Breakers
c/o D18 002
PO Box 1
Benbecula
Outer Hebrides
Scotland

Delta Breakers
Sundays at
Invicta Co-op Sports Club
Burnham Road
Dartford
Kent

Den Breakers Club
c/o 38 Down Field Way
Chaddlewood
Plymton
Plymouth
Devon

Derwent Valley Breakers
10 Prospect Terrace
New Kyo
Stanley
Co Durham

Deveron Valley Breakers Club
Turriff
Aberdeenshire AB5 7PQ

Double Barrel Breakers Club
meet Tuesdays & Fridays at
Commercial Hotel
Blackburn Road
Church
Lancs

Diamond Breakers Club
Diamond Jubilee Club
South Kirkby
West Yorkshire

The Diamond Breaker's Club
c/o 16 West Close
Stevenage
Herts

Didcot and District 27 Club
Meet first and third Sunday of the month
at
The Rio Hadden Hill
Nr Didcot
Oxfordshire

Ditch Breakers
Meet every Monday at
The Railway Hotel
Netherfield
Nottingham

Dinnington & District Breakers Club
Alternate Wednesdays at
The Squirrel
Dinnington

Dixieland Breakers
PO Box 25
Grimsby
South Humberside

Doctor's Cure Breakers
Meet in the Legion
Healing
Grimsby

Don Valley Breakers
PO Box 41
Doncaster
South Yorks

Dorset Nob Breaker's Club
c/o 3 Barr Lane
Burton Bradstock
Bridport
Dorset

Dragon Breakers Association
c/o 70 Flodd Ligwy
Moelfre
Anglesey
Gwynedd

Driffild CB Association
c/o 22 Haworth Walk
Bridlington
East Yorkshire

Dukesville Breakers Assn
23 Potter Street
Worksop
Notts

Eagle Breakers Club
c/o 76a Penn Hill Avenue
Parkstone
Poole

Earthquake City Breaker's Club
DL 71
Rotherham Record
Regent House
Rotherham

East Antrim CBRC
PO Box 4
Antrim

East Coast Breakers Assn
c/o The Tartan House
Frating
Nr Colchester
Essex

Eastern Counties Open
Channel Club
c/o Everards Hotel
Cornhill
Bury St Edmunds
Suffolk

Edinburgh Breaker's Club
Meet Mondays at
Sinatra's Lounge Bar
St James Centre
Edinburgh
Scotland

Edinburgh CBRC
22 Rose Gardens
Edinburgh EH9 3BR

Elite Breakers
The Father Thames
Albert Embankment
London SE1

Essex Breakers Convoy Club
c/o 67 Nobles Green Road
Southend
Essex

Essex Citizen's Band Club
24 Bryony Close
Witham
Essex CM8 2XF
Tel: Witham (0376) 513532

Falkirk and District Open Channel
PO Box 15
Falkirk
Scotland
FK1 1AA

Farnborough Area Breakers
Every Thursday
The Oasis Club
Alexander Road
Farnborough
Hants

Fish Town Sea Bees
Meet at Big Wheel
Grimsby
S. Humberside

Fistral Bay DX-QSL Club
11a Edgecumbe Avenue
Newquay
Cornwall

Five Bridges Breakers Club
c/o Barfield
Oakville Road
Hebden Bridge
West Yorkshire

Five-0 Breakers Club
c/o The Sports and Social Club
Moore Lane
Newton Aycliffe
Co Durham

Five Pools Breaker's Club
c/o The Old House at Home
Blakedown
Kidderminster
Worcs

Fleet Town Breakers Club
c/o 26 Mettl Road
Tollesbury
Essex CM9 8SP

Flixton, Urmston & Davy Hulme
Good Buddies Assn
PO Box 2
164 Corn Exchange Buildings
Manchester 4

Forest Park Breaker's Club
c/o 1 Tor Street
Stoke on Trent
Staffs

Forfar and District Breakers Club
Meet every Monday in
Stag Hotel
Forfar

Forth Valley Breakers
Burns Inn
Kennoway
Fife

Fosseway Breaker's Club
c/o The Rugby Club
Stow on the Wold
Glos

Freedom Breakers International
11 June Street
Bootle
Liverpool
Merseyside

Frog and Nightgown Breakers Club
c/o Amberwell
Potters Heath Road
Welwyn
Herts

Gainsborough Breakers Association
Marshalls Sports and Social Club
Gainsborough
Lincs

Garden of England
Meet Mondays, 10 pm
The Becketts
Southborough Lane
Bromley
Kent

Give Us A 9 Club
Every Tuesday at
Hand in Hand
Boxhill
Surrey

GK 13
D5130 Geilenkirchen
West Germany

Glasgow CBC
361 Hallhill Road
Glasgow G33 4RY

Golden Gate Breakers Club
c/o The Deva Restaurant
Cliff Road
Dovercroft
Harwich
Essex

Good Buddies Club
Alternate Wednesdays at
Halfway House Hotel
Kingseat
Fife

Gower Breakers Club
PO Box 12
Swansea
South Wales

Gramplan Breakers Club
59 Jasmine Terrace
Aberdeen
Scotland

Granite City CB Club
92 Forest Avenue
Aberdeen
Scotland PH 322073

Grantham Breakers Assn
8 Parklands Drive
Harlaxton
Grantham
Lancs

Grass Court Breakers Club
Every Sunday at
The Wagon & Horses
Haydock
St Helens

Green Acre Breakers
c/o Ye Old Frigate
Aberdeen

Guildford City Breakers
Tuesdays at
The Cannon
Portsmouth Road
Guildford
Surrey

Gwant Breakers Club
Meet every Wednesday at
The Gladiator
Malpas
Newport

Halfway Breakers
12 Moot Lane
Downton
Salisbury

Hangmans Breaker's Club
Meet on Thursdays at
The Staffordshire Knot
Birmingham Road
Wolverhampton

Harrow and Wembley CB Group
26 Greenway
Kenton
Middlesex

... The 3-OH Breakers Club in Middlesborough are purely FM and got 100 members in the first fortnight. Good going... **Not** only does Rack a Track have an unusual handle, he's also a member of the Outwood and Stanley Breakers Club, who have handed over a colour TV to Pinderfields General Hospital near Wakefield. The club say a special thanks to the CB and Accessory Shop in Wakefield, who donated £100 towards the set and will install and maintain it... **Blackjack**, from the Ocean Boulevard CB Club, describes them as second to none in Northern Ireland and there's 300 of them, so we're not arguing. If you live near Bangor, you know what to do



The Auld Reekie Breakers Club was formed when some of the local breakers felt that the other local clubs were becoming too like youth clubs, so they are for over 25s only and membership is limited to 50 (people, not years). Every decision in the Edinburgh club is taken by members' vote. Open to visitors over 21 on Mondays... The Woodpecker DX Club have a touch of exclusivity about them too. Membership is by invitation only and their club call form was a little blank because they seldom get involved in anything outside of DXing. As they say 'It might seem negative, but it works'... Many areas have more than one club covering one patch and they seem to work against each other rather than together, but things are different in the Kidderminster area. Seven local clubs have got together to form the Kidderminster and District Amalgamated Breakers Association and each month committee members from each of the clubs get together to discuss any problems. We wish them well... **Good** to hear the kids are getting organised too. We've heard from Colditz CB Club operating from Greenway School in Southmead, Bristol. Expect more on them soon... **Still** on the young 'uns, the 39 Breakers Club in Aberdeen has been formed to give help, advice and instruction to under 16s in the area... If you've been looking for the Canyon Breakers at the Hillstown Miners Welfare Club, you'll have noticed they're not meeting there now. Try the Sportsdrome Club in Bolsover on alternate Mondays and you won't be disappointed... **Bit** of a twist on the AM v FM argument from the Isle of Man, where FCC equipment is freely available. There's a review of the Manxman 850 FM set in the Isle of Man CB Club's excellent newsletter and they say the legal rig offers 'an alternative to the much used FCC/EEC

Airwaves

frequencies' . . . Green Dragon, from Chatham in Kent, dropped us a line asking if we could include two pix of local blind breakers, whose lives have been brightened by the use of CB. The



who live on three small islands off the West Coast of Scotland. Thanks for the card — and don't think you've been forgotten . . . The Steward Home at Cove has been adopted as the official club charity by the Helensburgh and District CB Club . . . Another newee looking for membership: Try the Sandy City Breakers Club if you're in the Southport (Merseyside) area . . . The A12 FM Breakers in Chelmsford handed over Christmas hampers to the local social services for distribution to underprivileged children, and they're also planning a trip to the coast for local kids. Oh, and thanks to Colin, the manager of their local pub and meeting place, the Countryman . . . Only just made it but time for a quick mention for the Sierra Hotel DX Club from sunny Rossington in Yorkshire. Membership will be limited to around 60 or so and it was running at 35 when we heard from them, so hurry, hurry, hurry . . . that's the lot for this month. Keep it coming in and all the high wosnames.



lady breaker is a member of the Mid-Kent Breakers Club, so hello to them too . . . And now a sad moment in CB history — the demise of the Milktown Breakers Club. Gone to udder things apparently. Shame really. They sent us some rock too. But there's also good news — the birth of the Huddersfield FM Breakers. Anyone is welcome to the meetings but membership is limited to licence holders. Brock Badger, who sent us all the dirt on the Milktown lot is taking up a similar role in the new club, so you can expect to hear more from them . . . AM and FM breakers are welcome at the North Notts Breakers . . . and at the Pearshore CB Radio Club (in Worcestershire), which grew out of the old Plumtown Breakers Club . . . One of our many Christmas cards came from what must be the remotest CB club in the UK — the Dark Island Breakers,

Zomerzet's a good place fur zider, or at least that's what we wus told. Nowadays it's also a good place for Zee B, sorry we mean CB, if the Circle C Breakers Club is anything to go by. That's if they're still talking to us after our attempt at a Somerset accent.

(Oh, that's what it was — MF)

The club has been going for over a year now, and the membership of over 450 all started from five breakers meeting in a skittle alley in a local pub. Just goes to show what some loose talk over a few pints can lead to. Since then they've had to move venue twice because of the growing numbers. Now they meet every two weeks on a Sunday at the Red Lion Hotel, Crewkerne — and they average a 60 per cent turn out. And as 60 per cent of 450 is . . . erm . . . well, quite a few, you can see it's a bit popular.

Perhaps one of the reasons for that is the way the club is run. While the club likes to give money to charity, and to help local people, first call on club funds goes to the members themselves, which is not a bad idea as that's where the cash came from in the first place. It's an idea which a few clubs we've covered recently have had, and in general it works fairly well. Charities still get much the same amount in the end, and the members don't feel they're getting milked at every opportunity. A nice balance.

Membership is £3 for one and £5 for two annually, for which you also get a card, a holder and a handle badge. The club runs a bust fund at 50p at each meeting for any members who want to use it, which pays any fines and puts them back on air within 24 hours with a 40 channel rig, and the club also has its own solicitor whose services are provided free to any member who needs them, 24 hours a day. See what we mean about keeping funds for the members? Up until now, none of their members has needed this help, although the club fought for one breaker, who wasn't at that time a member as a test case. They managed

to get his fines reduced to well below the level of others in the area. One for Rumpole to be proud of.

The club wants to see CB legalised on the full FCC specifications, AM/FM/SSB, and over the past year have taken three votes to make sure their membership are behind them. Even though they don't support the legal system as such, they welcome all breakers as members, legal or otherwise. They feel that fighting legal breakers is pointless and that all breakers should join together and press for a better system.

Neither are the Circle C Breakers the sort who say a lot and do nothing. They've written many letters to the Government and their local MP, putting the case for an extension of the CB service, and like everyone else in this business they've had to suffer the same vague replies. Still it's nice to see their MP, John Peyton, taking an interest on their behalf.

Circle C also do their share for charity. During the Year of the Disabled they gave £200 to charities, and in the summer they took a party of children from a local children's home to the seaside on an all-expenses-paid trip. When they heard of a local man disabled with silicosis they raised £170 for him through donations at a single meeting and used the money to buy him a special reclining chair, so he could sleep downstairs when he needed to. They also raised £100 through a sponsored pub crawl, and personally we can't think of a better way to make money.

Over the Christmas period, the club held a children's party, and even more fun, an adults' party as well. For £1 members enjoyed a live group, a disco and supper — another result of keeping the money for the members. Others services offered by the club include a free TVI service, free rig repair and accessories supplied at cost price through a club concession.

The club breaks on 14, so if you're down in Somerset on your hols this summer, give them a call. And we'd like to thank Robin Window for his help.





Hayling Breakers TX 10
Every Thursday
The Rose in June
Hayling
Hants

Hazard County Breakers
c/o Oakshaw Hall
School Wynd
Paisley
Renfrewshire

Hazard County Breakers Club
22 Radcliffe Avenue
Chaddesden
Derby

Hazard County Breakers Club
Meet first Tuesday of month at
Fleet Country Club
Surrey

Heart of Oak Breaker's Club
Feltham Road
Ashford
Middlesex

Helensburgh & District CB Club
c/o Ardencaple Hotel
Rhu
Dunbartonshire
Scotland

Hereford 14 Club
Meet every Monday at
Crystal Rooms
Hereford

Hereward Breaker's Club
17 Muntion Fields
Ropsley
Grantham
Lincs

Herts CB Radio Association
PO Box 37
Potters Bar
Herts

Highland Breaker Club
PO Box 39
Inverness

Hillbillies
Meet every Friday at
The Friend at Hand
West Wycombe Road
High Wycombe
Bucks

Hornblower Open Channel Club
c/o 65 North Street
Ripon
North Yorkshire

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
Tenbury Wells
Worcs

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

Isle of Man CB Club
PO Box EV 77
Douglas
IOM

Ironstone Breakers Club
c/o 16 Lunedale Road
Scunthorpe
South Humberside

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
c/o 41 Glen Eagles Avenue
Glenrothes

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

Laverock Breakers
c/o 12 Wilson Street
Larkhall
Lanarkshire

Lazy K
Lima Kito 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 Maron Hotel
Coppice Road
Arnold
Nottingham

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

Lelcastershire 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

Lima 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
Watnall
Notts

Lorn Breakers
PO Box 11
Oban
Argyle

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

Lower Rhondda Breakers Club
c/o 40 Birchgrove Street
Porth
Rhondda
Mid Glamorgan

Lowestoft Jolly Breakers
10 Viburnum 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 Rothesay Road
Gosport
Hants

MCBRA
85 Allens Lane
Pelsall
Walsall
West Midlands

Meon Valley Breakers
4 Lawrence Road
Fareham
Hants

Merseyside 27 Club
34 Micklefield 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
Maidstone
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 Bleetchley
Milton Keynes

Molesey Open Breakers
c/o Royal Oak
337 Walton Oak
East Molesey
Surrey

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

Monklands Breakers Club
c/o 73 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
Walsingham
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**
470 Stoneygate Road
Narborough
Leicester

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

National Independent Pirate Band
Heirman Straat 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
Limford Local Centre
Gt Linford
Milton Keynes
Bucks

New Forest CB Club
12 Westcot Road
Holbury
Hampshire

Newton Breakers Club
Meet every Tuesday at
Bock and Candle
Redditch

Newtown Breakers Club
c/o 14 Cornbrook
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 Fiesta
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
Coahville
Leics

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

Ocean Boulevard CB Club
PO Box 8
Bangor
Northern Ireland

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
Belghton
Sheffield

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

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

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 BFD7 2PP

Petersfield United Beakers
Every second Monday
The Square Brewery
Petersfield
Hampshire

Pershore CB Radio Club
c/o The Royal Three Tuns
Pershore
Worcestershire

Pirates
Meet every Thursday at
The Mill
Hallway
Sheffield

Plalstow Breakers Club
Every Monday
Phoenix Club
Grange Road
London E13

Airwaves

<p>Popular Breakers Club 29 Putterham Road Sherfield Park Chineham Basingstoke</p> <p>Pudsey CB Radio Club 54 Harley Drive Swinnow Leeds</p> <p>Purbeck One-Nine Club Every other Tuesday at The New Inn Church Knowle Dorset</p> <p>Quaker Breaker Club c/o Waggon and Horses East Street Saffron Walden Essex</p> <p>Quiet Breakers Club 8 Wedgewood Road Chaele Stoke on Trent Staffs</p> <p>Rainbow Breakers c/o PO Box 56 Cookstown Co. Tyrone N. Ireland</p> <p>Rayleigh Breakers Club meet on Fridays at Rayleigh Weir Public House Rayleigh Essex</p> <p>R & B Club PO Box 4 Stranraer Scotland</p> <p>REACT UK 10 Buckinghams Way Sharnford Leicestershire</p> <p>Red Cat 14 Breakers Club c/o Red Lion Derby Road Sandiacre Derbyshire</p> <p>Redditch Area CB Club 88 Heronfield Close Churchill Redditch Worcs Tel: Redditch (0527) 67083</p> <p>Redhill Radio Breakers Club c/o The Ram Inn Mansfield Road Redhill Nottingham</p> <p>REM c/o 68 Chapel Street St Helens Merseyside</p> <p>Rhine Coppers CB Club On channel 13 BFPO 40</p> <p>Rhondda Breakers Club 35 Shady Road Gelli Rhondda Mid Glamorgan</p> <p>Rhythm and Blues Club The Bell Hotel Botesdale Nr Diss Norfolk</p> <p>Richmond & District Breakers Friday nights at Black Horse Richmond</p> <p>Ringway Sideband Club Every Thursday at Benchill Hotel Wythenshawe Manchester</p> <p>River City Breakers Club c/o 38 Worcester Road Burnham-on-Crouch Essex</p> <p>River Exe Breakers c/o 149 Withycombe Village Road Exmouth Devon</p> <p>Riverside Breaker's Club Every Friday at the Redcroft Hotel Bo'ness West Lothian Scotland</p> <p>Riverside Breakers c/o 1 St Lukes Grove Humberstone Grimsby South Humberside</p>	<p>Road Apple DX Club UK SAE to Robert RA 68 c/o Top Ear London Road Eaton Socon Hunts</p> <p>Rolling Stones Breaker's Club The Moss Cottage Nottingham Road Ripley Derby</p> <p>Roman City Breakers Club c/o 29 Kelston View Whiteway Bath Avon</p> <p>Roman Road Breakers Tuesdays at Galway Arms Harworth Nr Doncaster</p> <p>The Rooftop Breaker's Club Every Wednesday at the Gondola Ballon Woods Nottingham</p> <p>Roxton Breakers Club 56 The Lane Wyboston Beds MK44 3AP</p> <p>Royal T Breaker's Club c/o 3 Manse Street Tain Ross-shire</p> <p>St Neots Breakers Club Every Thursday at St Neots Working Mens Club Hardwick Road Eynesbury St Neots</p> <p>Saddleworth Breakers Club Every Monday at Well Lit Pub Saddleworth</p> <p>Sandwell Area CB Club 4 Baldwin Close Twidale Warley West Midlands</p> <p>Sandy City CB Breakers Club c/o 56 Poulton Road Southport Merseyside</p> <p>Saundersfoot and District Breakers Club 14 Ryelands Place Kilgetty Dyfed SA68 0UX</p> <p>Scottish Trunkers Club c/o 3 Cornton Crescent Bridge of Allan Stirling</p> <p>Scillonian Breakers Club The Secretary 2 Trinity Cottages St Marys Isles of Scilly</p> <p>Sedgefield Breakers Club c/o 4 Pine Ridge Avenue Sedgefield Co Durham</p> <p>Seven Towers CBC 15 Camdull Drive Ballymena Co Antrim</p> <p>Severn City Breakers Club c/o PO Box 2 Shrewsbury</p> <p>Sierra Hotel DX Club c/o 20 Grangefield Avenue Rossington South Yorkshire</p> <p>Singing Wheels CBC c/o 2 Grenofen Cross Tavistock Devon PL19 9ER</p> <p>Shannock Town Breakers c/o 15 Birch Grove Sunway Park Sheringham Norfolk</p> <p>Shaw and District Breakers PO Box 2 Shaw Oldham</p> <p>Sheaf Valley BC c/o 27 Ashberry Gardens Sheffield</p>	<p>Shustoke and District Breaker Alternate Tuesdays Shustoke Village Hall Shustoke Birmingham</p> <p>Slab Town Breakers Club Meet every Thursday at East and West Ardsley Social Club Morley Nr Leeds West Yorks</p> <p>Smoke Town Breakers 103 Demondale Road Arbroath Angus Scotland</p> <p>SOEST UK CB Set Channel 11 2nd Friday and 4th Saturday of the month</p> <p>Southend & District c/o 310 Station Road Westcliff-on-Sea Essex SSO 0OZ</p> <p>South Birmingham CB Club Meet fortnightly at Solihull Civic Hall Solihull Birmingham</p> <p>South Side Breakers c/o Jean Armour Bar Shawlands Glasgow</p> <p>South Side Breakers PO Box 8 Castletown Isle of Man</p> <p>South Somerset Breakers c/o 19 Vincent Street Yeovil Somerset</p> <p>South Tees DX Club c/o 73 Tawney Road Eston Middlesbrough Cleveland</p> <p>South Wales Action Teams 16 Lanalay Park Talbot Green Pontyclun Mid glam</p> <p>South Wales Big 10-4 Club 139 Manselton Road Manselton Swansea</p> <p>South Wales 10-100 Artists Club Tuesday nights at The Landing Strip Swansea</p> <p>South Wales Federation of Breakers c/o 74 Beech Court Giffach Bargoed Mid Glamorgan</p> <p>South West Lancs Breakers Club c/o 14 Cornbrook Holland Moor 2 Skelmersdale Lancs</p> <p>Stag Town Breakers Club Every Thursday at Courtlands Social Club Thorpe Road Bellamy Road Estate Mansfield Notts</p> <p>Steeltown Breakerways c/o 12 Keeley Road Scunthorpe South Humberside</p> <p>Stour Valley Breakers c/o The Red Lion South Street Maningtree Essex</p> <p>Stourport-On-Severn Breakers Club Every Sunday at The Old Anchor Stourport</p> <p>Studley Breakers c/o Studley Arms Studley Green High Wycombe Bucks</p> <p>Summer Wine Breakers Every other Thursday at the Burnlee Working Men's Club Holmfirth</p>	<p>Swan Valley Breakers c/o 133 Nalders Road Chesham Bucks</p> <p>Swindon CB Club 23 Affeck Close Toot Hill Swindon</p> <p>Tango Foxtrot Charlie International DX Group PO Box 14 Heywood Lancs</p> <p>Taunton Deane CB Club c/o 19 Trinity Street Taunton Somerset</p> <p>Tayside CB Club c/o 271 Fintry Drive Fintry Dundee</p> <p>Telford CBC Tel: Telford 603474</p> <p>Test Valley Breakers Club PO Box 27 Andover Hants</p> <p>Thames Area Breakers c/o 81 Villas Road Plumstead SE 18</p> <p>Thames Valley Breakers c/o 18 Brunswick Street Reading Berks</p> <p>Thamesdown Tranceivers Every Monday Swindon Town Football Supporters Club</p> <p>Three Feathers Sidebanders c/o 269 Bail Road Llanrumney Cardiff</p> <p>Toadown Breakers Club Meet every Sunday at Bridgend Inn Howay Nr Llandrindod Wells</p> <p>Tunbridge Wells CB Assoc Monday evenings at the Robin Hood Tunbridge Wells</p> <p>TURBO c/o 16 Mendip May Downley High Wycombe Bucks</p> <p>Tweed Valley Breakers Club c/o 72 Beach Avenue Galashiels</p> <p>TWINS c/o 5 Nuthatch Drive Earley Reading Berks</p> <p>UK International Radio Group PO Box 13 Long Eaton Nottingham</p> <p>Untouchables 299 Manchester Road Kearsley Bolton Lancs</p> <p>Uttometer Breakers Club c/o 32 Goldhurst Drive Lower Tean Stoke-on-Trent Staffs.</p> <p>Walsall CB Radio Club c/o 6 Central Close Bloxwich Walsall West Midlands</p> <p>Waterbabies Breakers Club c/o 17 Furzey Road Upton Poole</p> <p>Wellingborough Breakers Club Wednesdays at Dog and Duck pub Wellingborough</p> <p>Wessex Open Channel PO Box 108 Melksham Wiltshire</p> <p>Wessex Glamorgan Breakers Assn 25 Plass Newydd Baglan Moors Port Talbot West Glamorgan SA11 7DF</p>	<p>West Glamorgan Breaker's Association 25 Plass Newydd Baglan Moors Port Talbot West Glamorgan South Wales Meet on Wednesday nights at 125 Club, Port Talbot</p> <p>West London Breakers Tuesdays at White Hart Southall</p> <p>West Glamorgan Breakers c/o Dock Hotel Aberavon Port Talbot West Glamorgan</p> <p>West London Breakers Meet at the Steam Packet by Kew Bridge</p> <p>West Somerset Breakers c/o 5 Periton Court Minehead Somerset</p> <p>Weston Breakers Club 33 Lower Church Road Weston-super-Mare Somerset</p> <p>Wetherby DX 27 Club c/o Dearne Croft Wetherby West Yorks</p> <p>Weymouth CBC Flat 1 39 St Thomas St Weymouth Dorset</p> <p>White Cliffs Breakers Assoc PO Box 13 Dover Kent</p> <p>Whisky Valley Breakers c/o 4 Tamdhu Cottages Knockando Morayshire</p> <p>Wickrath Breakers On channel 14 4050 Mönchen-Gladbach 4 Glasgow</p> <p>Windy City Breakers c/o 19 Lochlibo Crescent Barrhead Glasgow</p> <p>Wirral CB Assn Meet every Monday at Riverside Restaurant New Brighton</p> <p>Working Centre Breakers c/o Jovial Sailor Ripley Surrey</p> <p>The Wolfpack Breakers meet Wednesdays at Hounslow Football Club Denbigh Road Hounslow Middlesex</p> <p>Woodpecker DX Group c/o Ken (Group Co-Ordinator) PO Box 39 Hereford HR1 2YL</p> <p>Worth Valley Breakers c/o 8 Carlisle Street Parkwood Keighley Yorks</p> <p>Wye Valley Breaker's Club c/o CB Centre 106 East Street Hereford</p> <p>Wyre Forest Breakers 19 Chawson Place Chawson Estate Droitwich</p> <p>Yorkshires Elite Breakers Fairway Inn Birley Sheffield</p> <p>Young Aldershot Area Breakers Meet every Wednesday Oddfellows Hall, Aldershot</p> <p>Young Breakers Assn 22 Romley Crescent Bolton Lancs</p> <p>Zebra County Breakers Post Office Sible Hedingham Essex</p>
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Easy as QSL

card. EI cards are becoming quite a collectors 'set' now.

Staying on collectors cards, we got more colourful Concorde International Club cards in from 70BC 480 David Morgan (28a Lon-Y-Felin, Garnswilt, Ammanford, Dyfed SA18, 2RH, South Wales), Janet (Moscow Mule) Perfect 70BC 516 (Estate Cottage, Box Hill School, Mickleham, Dorking RH5 6EA, Surrey), Hawkwind (Gordon Bennie), PO Box 3, Bo'ness, West Lothian EH51 9PR, Scotland) and 70BC 452 Ranger 111 (Carl Forman, 133 Newsome Road, Huddersfield, West Yorkshire HD4 6ND). This makes a total of twenty six different British Concorde Club cards with more to follow.

A message for Delta X-Ray 12 Luke from Nottingham — please contact John & Sheila Smith of 31 Ribble Street, Bacup, Lancs OL13 9RH. Seems they have had something from you without your name and address on — naughty boy Luke! Details of British Concorde can be obtained from me at 187 Walton

At the end of last year, many British QSL clubs, at the request of *Breaker*, very kindly donated memberships of their clubs to a disabled breaker, who has now written to sincerely thank all those who helped him start QSLing. He is John W Powell (8 Brynheulog, Rhayader, Powys, Wales). Incidentally, Papa Bravo International also designed and produced a personalised QSL card for John. Great QSL friendship from all concerned. Another disabled QSLer who would like to hear from *Breaker* readers is Iris Silcock of 2 Abberton House, Foxlydaire Crescent, Batchley, Redditch, Worcs.

Steve Taylor (PO Box 223, Buckingham) sends the first British Alfa Tango International DX Group card designed around the Union Jack that I have seen. Looks good Steve. Let's have full details of the new British division of Alfa Tango, so we can share your good fortune. A new QSLer (LF Shaw of 8 Edward Street, Parkeston, Harwich) asks for contacts to swap with — a nice personalised card, well illustrated. A super de-luxe card in from Maverick (Rick Kitchener, 11 Sherill Close, Staddiscombe, Plymstock, Plymouth). Very classy. Another Alfa Tango member, The Hippy (Keith Hewitt of 27 Lund Avenue, Burton Grange, Barnsley, S. Yorks S71 5NW) sends his new cards, and invites swaps.

Nice to see the membership numbers of English International DX Club keep rising. My spies tell me that the 1000th new member will be receiving more than just the EI Package, so join now and see if you are going to be the lucky one! Lots of English International members' cards this month. First in were from Jean (Superstar) Chapple of 14 Orchard Bank, Drayton, Norwich, Norfolk NR8 6RN, and from one of the early *Breaker* QSLers, Tony (Jolly Green Giant) Whittaker, of 35 Thornton Gate, Cleveleys, Balckpool FY5 1LE. He has recently passed his Amateur Radio Examination to become G6FXF and still finds time to QSL while also working the 2 metre band. Where do you find the time, Tony? Last EI member to QSL this month is Martin (Barnabee Bear) Edwards (27 Manse Road, Carrowdore, Newtownards, Co. Down BT22 2EZ, Northern Ireland), who sends a personalised club

73^S 1BW4

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Ken Bedford, Diesel Demon (31 Albany Road, Rothwell, Leeds), says this is his third attempt at a mention in *Breaker*. I'm sure I've mentioned you before Ken, but if not I've rectified matters now. Nice enclosure as well, and received in a proper 'Happy Mike' QSL printed envelope. How could I ignore you any longer?

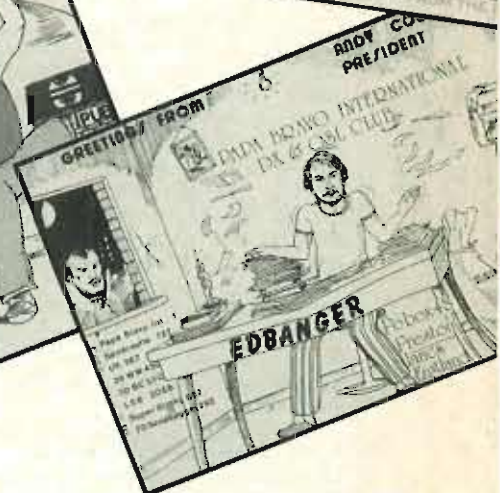
Tony Levinas (The Wizzard, 102 Warrenside, Deighton, Huddersfield HD2 1LG) sends a nice card, and reports only a 75% return on QSL — be patient Tony I have had answers after four months! A better rate of success is reported by Penelope Pit-Stop (Stephany Kirkwood, 1 Nether View, Wennington, Nr Lancaster, Lancs LA2 8NP), who sends a nice personal card and one from her club, Cinderella Breakers, who meet at Melling Hall Hotel, Carnforth, Lancs. Telephone Hornby 21298 for details. Red Devil Dave, of Green Lane, Whitstone, Holsworthy, Devon, QSLs with a stock card, but will have some personal cards by the time this reaches you. Nightwalker and Lady Cobra QSL from 21 The Holly Grove, Gloucester GL2 6UU send one of their new QSLs designed by Jerry Tapscott. Don't know who he is, but he is clever with his pen!

Harry W Hertz of the Super Stinky QSL Club of West Germany (Postbox 2664, D 6750 Kaiserslautern), sends an updated club roster — showing the club at 1100 members — and a new club newsletter. Nice to see so many regular *Breaker* readers included — Paul Noblett (Crimson King) of 30 Tower Lane, Fulwood, Preston, Lancs and Streamfisher (Ken Porter) of 65 Glengate, South Wigston, Leicester, just to name two who will be familiar to regular Easy As QSL addicts. If you are not easily offended ask Harry for one of his 'Plouf' QSLs — great fun!

News in from the Lucky Seven QSL Club of USA. They have just appointed Malcolm Hanworth (3 Stone Croft, Renwortham, Preston PR1 9EX) as their club representative over here, so a SAE will bring full details — lots of unusual overseas contacts are on their lists.

Rampant Lion Sidebanders have sent a circular out to inform all their members that the club calling channel has now been changed to Ch48 LSB (27.505Mhz), so as not to interfere with the legal FM frequencies. ALL sidebanders please follow this good example and keep off the new legal range of frequencies, especially around our channel 09 now that emergency monitoring organisations are kind enough to provide us with an emergency service. Details of the Rampant Lion International sidebanders can be obtained from Ricky of PO Box 101, Dundee, Scotland.

Ken writes from the Woodpecker DX Group (PO Box 39, Hereford) — another good club with over 100 members, who operate on 27.585 LSB from 2am on Sunday mornings and also have a 100% QSL swap section. Address all mail to Dennis Unit 66, at the club's PO box number. Details in from 'John' who is starting the Juliet Delta QSL Swap Club (148 Briardale Road, Mossley Hill, Liverpool 18, Merseyside). This is a free (yes FREE) club and the membership requirements are just five of your QSL



cards, your full name, handle and address, and a SAE (Large). I think this is the first free British club, so we wish John good luck with this venture.

Bayern Bob (Haus Hay Wain, 8752 Glattbach, West Germany) has sent a copy of his second edition 'Book of English Speaking CB Stations in West Germany', a super book which has taken Bob a long time and a lot of travelling to compile. If you would like a copy of this manual designed to help the CB traveller in West Germany, the cost of the book including postage comes out at £2.00.

A lovely letter in from Little Jaws (Francis Knight), a disabled lady breaker who needs cheering up, so please spare a few moments to drop her a card and make her life a little happier. Your card will find her at 67 Windmere Road, Hatherley, Cheltenham, Glos. From Lucky Leo, another disabled breaker at 117 Farrow House, Hillington Square, Kings Lynn, Norfolk PE30 5JE, comes one of his new British Concorde International Club cards — and a big thank you to Clay Miller (High Roller) who financed his membership of the club.

BREAKER'S OVERSEAS QSL LIST

- | | |
|-------------------|--|
| Brendan IW33 | 33 St Anthony's Crescent, Walkinstown, Dublin 12 |
| Honda | E Gruberstr 89, A 2632 Grabenbach, Austria |
| Gerard Rutten | Heerdgang 12, 4881 EP Zundert, Holland |
| Howard Sutton | 804 E Spruce, Yakima, Washington 98901, USA |
| Stew Gilmer | P O Box 493, Station D, Toronto, Ontario, Canada M6P 3K1 |
| Leif Aberg | Box 106, S-14501 Norsborg, Sweden |
| Reino Riihiluoma | SF 64350 Karijoki, Finland |
| Sam | P O Box 1, Kilkeel, Co. Down, Northern Ireland |
| Karl Stekbauer | 27 Bury Street, Gore, Southland, New Zealand |
| M Crauley | 28 Spencer Street, Warrnambool 3280, Australia |
| Lothar Heine | Welmaraer Str 1, 4230 Wesel 1, West Germany |
| Jeff & Fran Mann | 1803 Lincoln Avenue, Northampton PA 18067, USA |
| Anne Forlich | P O Box 1966, Capetown 8000, Rep of South Africa |
| Lady Witte Møeuw | Melekylaan 13, P O Box 1015, 5170 BA., Kaatsheuvel, Holland |
| Les Young | 19 Schaumann Street, Alexandra, New Zealand |
| Juhani Grapenberg | Advokadbacken 24 II tr., s-14556 Norsborg, Sweden |
| Erwin Daratha | Berghoop 6, D-3170 Gifhorn, West Germany |
| Cor | P O Box 863, 2003 RW Haarlem, Netherlands |
| Harry | P O Box 26, Ballymena, Northern Ireland BT43 3JD |
| Arikievola | Muinaishaudankatu 1B 37, 33710 Tampere, Finland |
| Roquel Tinnis | 2330 29th Street, Cedar Rapids, Iowa 52404, USA |
| Black Eagle | Laukslaan 24, 3911 DP Rhenen, Holland |
| Tony McMahon | 32 McCurtains Villas, Cork, Ireland |
| Lutz Ringling | Breitestr 28, D 3363, Gilteide a Harz, Germany |
| Gerard Laird | 20 Loughview Gardens, Coalisland, Co. Tyrone, Northern Ireland |



Over the wall now to Scotland, and first this month is from our old friend, Calum Anderson (218 Hamilton Road, Mount Vernon, Glasgow G32 9QU). He has recently been made Scottish representative for the Sandcastle QSL Swap Club, so if you want any more information, drop a QSL to Calum. Speedway Star (Ron King, 27 Links Street, Musselburg EH21 6JL, Scotland) sends his racy QSL and a long letter. He promises 100% return — unlike some he has sent to. Kilo 9 (Bill Palmer) sent in a nice photo of his shack and his walls are literally covered in club certificates and QSL cards. He's a 100% QSLer and a hard working member of the Thistle International/DX-ing Group and you can QSL him at PO Box 11, Cowdenbeath, Fife, Scotland. Another Musselburgh breaker with a nice personal card is The Duchess of 220 New Street, Musselburgh, East Lothian EH21 6DQ.

Welsh Wales QSLers' turn now and Steve (Kopper Nob) who is 19 and serving in the RAF, tells me he has been QSLing for six months now and has over 1000 cards. He sends an excellent QSL return, including one of my favourite cards, the club card of the Charlie Bravo Sidebanders Club. Bill (Pegasus, 37 Station Road, Old Colwyn, Clwyd LL29 9EL) also sends a big pack, including all different club cards, some 'floaters' and various QSL club forms. Well worth a contact, especially as he is having over 2000 coloured QSLs printed. John Leonard of the Lower Rhondda Breakers Club very kindly sent a QSL and club badge — nice card John, but please change your working channel from 27.735 LSB as this causes chaos on the legal frequencies. Thanks.

Most of the Irish addresses are on the QSLers list this month, but I must mention a nice letter from John Cashin of Mooncoin, Co. Kilkenny, Ireland (that is his full address), who is running the new Irish Rover International DX Group, a club with a distinctive and ever evident QSL Card. A QSL will bring full details. Plastic Carrot writes from Germany and would be very pleased to receive QSLs from home. You can contact him at: Kevin McConnell, c/o S/Sgt E. McConnell, 94 Loc Reg RA., RAOC Stores Plt., B.F.P.O. 23.

There is too much overseas mail to talk about in detail this month, but I have included some addresses which seem very popular with all you domestic QSLers out there. Before we close there is a new catalogue of QSL Rubber Stamps in from M & M Rubber Stamps of 10 Tolcarne Road, Newquay, Cornwall TR7 2NQ. Well worth a stamp for all you stamp fanatics. And just arrived is two large envelopes from Andy of the Papa Bravo International at Preston, enclosing a huge selection of their latest personalised cards and a copy of the Papa Bravo News. This club looks like becoming one of the biggest and best before long.

We love to hear from you and your clubs, so if you would like a mention in EASY AS QSL, drop a line to The Medicman at 187 Walton Road, East Molesey, Surrey KT8 0DY. Till next month, take care — we care.

**Mike Newbold
THE MEDICMAN**

Thank you for all your cards and letters — it's good to see so many of the new generation of CB operators taking up QSLing, and contributing towards our great hobby. And I am appreciative of the effort being made by many of the British QSL Clubs to extend QSLing in every way possible, the enthusiasm and time some of the club leaders put into the running of clubs leaves me breathless.

One such person is president Jim Glavin (The Duke) of Big Ben DX-QSL Club, PO Box 14, Godalming, Surrey GU7 1PS. Not content with just sitting back and waiting for prospective members to write to him, he has recently spent a week with the President of the De Zimmeermin QSL Club in Rotterdam, where he reports hospitality and friendship beyond belief. While there, the Big Ben Club participated in a CB-QSL Exhibition, where over 30 new members were enrolled — well done, Jim and Marion, and many thanks for the Big Ben Club Calendar and club roster. Details of De Zimmeermin can be had from Jim, upon receipt of an SAE.

Another club president with endless time and boundless energy is Andy Cookson of the Papa Bravo International DX & QSL Club (PO Box 48, Preston, Lancs PR1 1AB), who has recently affiliated the Papa Bravo with the well-known Sandcastle QSL Club, The Happy Cobblers QSL Club of Northampton, and the Kangaroo Whisky Club. The club now designs and prints very professional QSL cards, both stock club items and personalised, and they look set to become collectors cards as they are quite distinctive in their colouring and design. Details of the club can be had for the price of a stamp.

More club news in from Gene Chell-

berg, president of the ever excellent Redwood Country QSL Club of 31900 Pudding Creek Road, Fort Bragg, California 95437, USA — one of the first overseas QSL Clubs I joined and still going strong, although Gene reports a decline in QSLing in the States. The club publishes its own information-packed newsletter, and does a great line of accessories such as 20 different styles of super personalised address labels, QSLers rubber stamps, and giant posters from your own photographs or slides. Well worth joining. Gene always manages to enclose a small gift which I much appreciate. This time it was a quality Bradley Pen (very well known in the USA). Many thanks Gene.

A sample of the new club rubber stamp has been received from The Tampere Radio Club (Ryydynkatu 64, SF 33400 Tampere 40, Finland) and their president, Oiva Pirjola, writes to say that the club has been re-designed and that a large sum has been spent on some superb quality printing, with embossed notepaper and a new club certificate — well designed and well produced. Nice to see the club membership numbers are international call signs with the correct country code — perhaps other clubs might like to follow this good example.

Nice long letter in from Nimrod (Mervyn Pugh, 40 Ashton Road, Golborne, Warrington WA3 3UN), who says he has some really excellent QSL contacts, so drop him your card for some good leads. Last of the English cards this month come from Papa Hotel 20 (P. Hawkins, 17 Park Street, Ivybridge, Devon) — very colourful — and Whisky Disco (Chris Stephenson, 19 The Square, Airedale, Castleford, West Yorkshire WF10 3JJ). Another well thought out card.

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