

CB

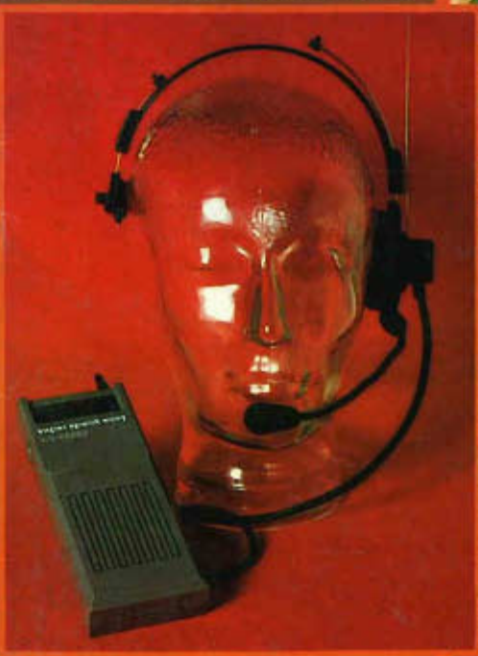
Citizens' Band

Britain's Leading CB Monthly

85p

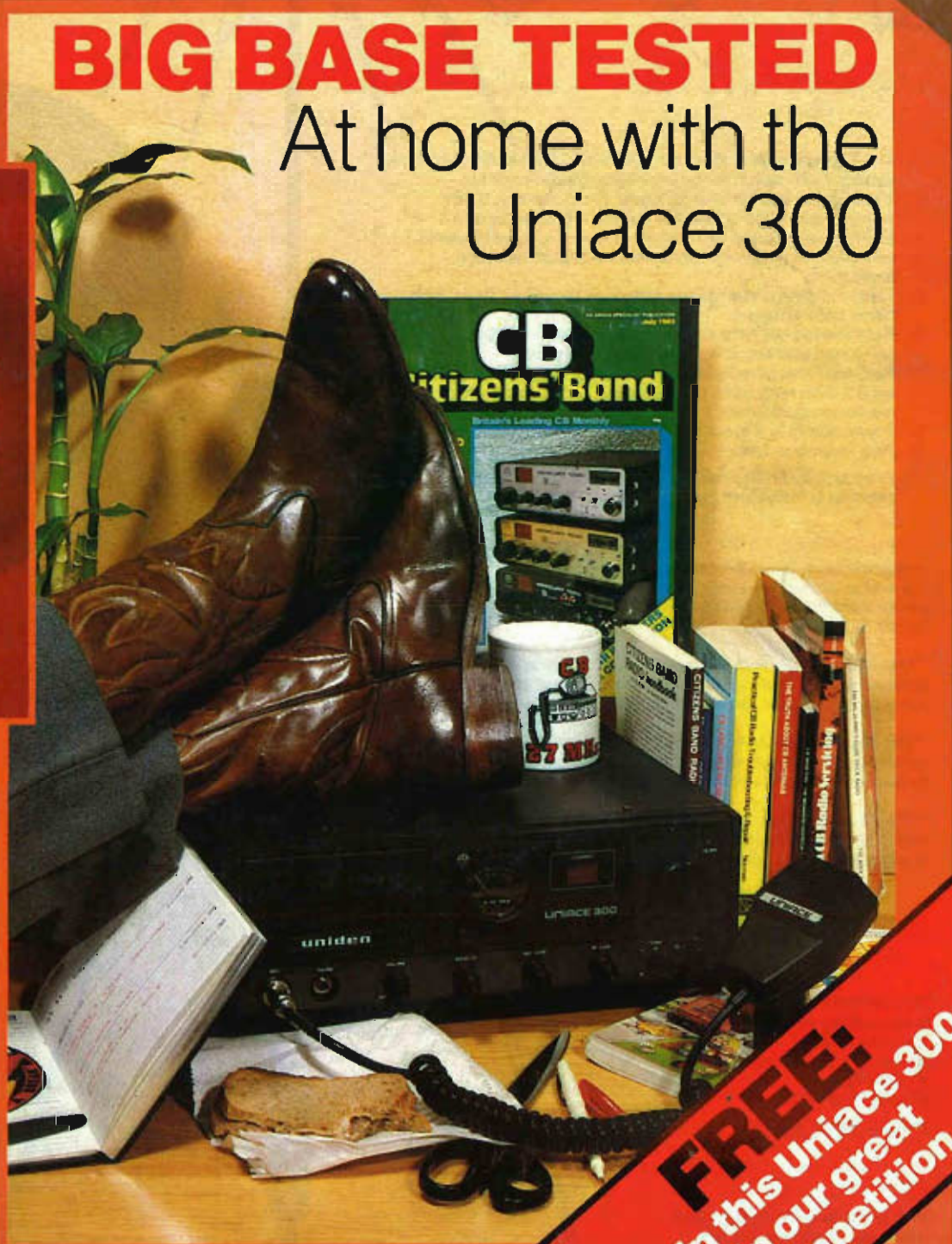
**MAXCOM
SPEAKEASY**

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reviewed

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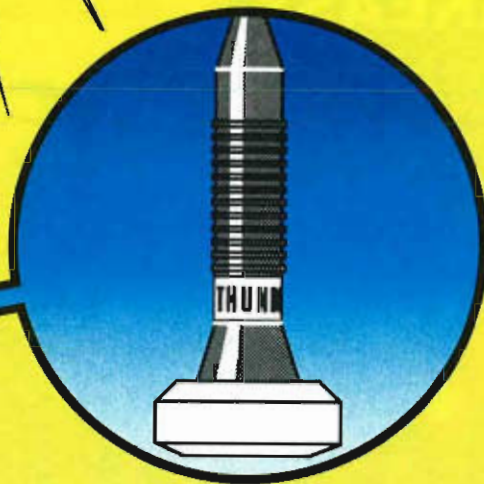
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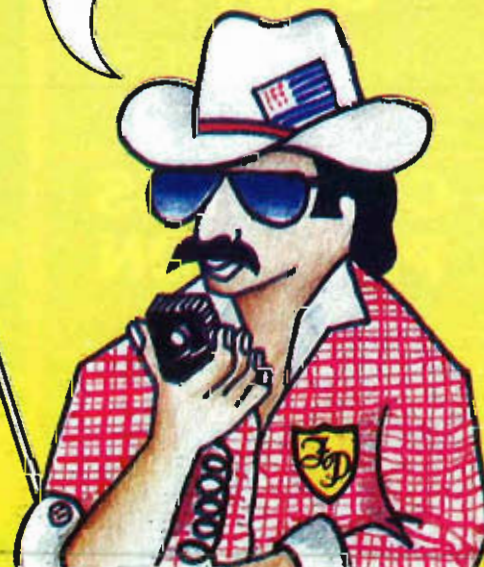
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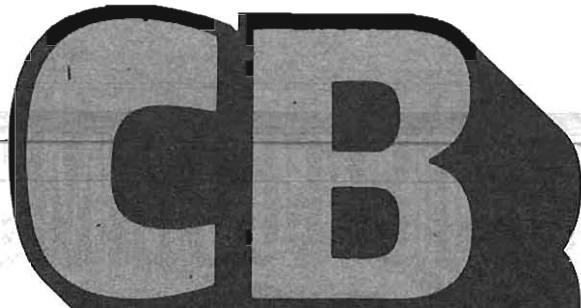
Design and Origination
by MM Design and Print
London WC2H 0EE

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Chris Adam-Smith

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Citizens' Band



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Cover this Month

Featured in full homely splendour is the big new base station from Uniace — the 300. You can read a full, in-depth review inside and win one by entering our thrilling competition. But onto matters much more serious — this month's silly story . . .

William Shakespeare, a writer, TV critic and playwright of some renown, was driving his van to a very important literary conference. When alas and alack his van refused to co-operate and stopped dead.

Was this the end of his midsummer night's dream or was he making much ado about nothing? In desperation he called 10-33 for assistance on his CB radio. His call was answered and assistance duly arrived in the form of two hefty CBers namely one King Lear and his sidekick Hamlet. A few words were spoken, some nuts worked at and quite a bit of good old brute force was applied. The problem solved and thanks given Will drove off with great haste. As he departed Hamlet said to King Lear 'Who pray was that?' and King Lear replied, 'A BARD IN THE VAN NEEDING TWO MEN TO PUSH'.
Derek McCorkel.

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CITIZENS' BAND is normally published on the third Friday of each month prior to cover date.

CITIZENS' BAND, 145 Charing Cross Road, London WC2H 0EE. 01-437-1002. Published by Argus Specialist Publications Ltd. Distributed by Argus Press Sales & Distribution Ltd., 12-18 Paul Street, London EC2A 4JS. Printed by Knapp, Drewett & Sons Ltd, Kingston-upon-Thames, Surrey.

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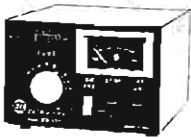
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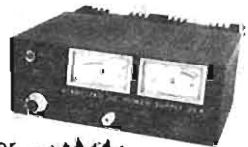


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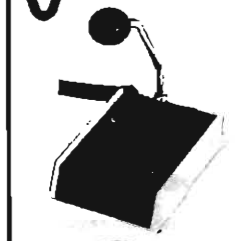


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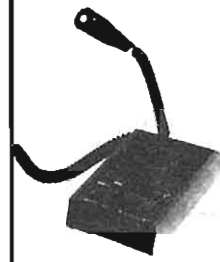
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This power mic
using an electret
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outstanding clarity
and power

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A unique voice
operated throat
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both hands free for
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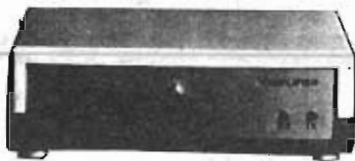
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Also incorporated in the P-202 is an 'active' limiter circuit which is intended for use at the discretion of the user. The problems with distortion normally encountered with this type of circuit have been overcome to an acceptable degree with the Zenith.

ZX4 safety mic

- Safer driving
- Easy Installation
- Suitable for all modes

£25.85

The ZX4 is Zenith's most recent product. This microphone system has only just been released but has met with a good response. The microphone (which will pick up from over 3ft. away) is on a gooseneck with the PTT button located on a replacement gear lever knob (which is available in black or tan). The ZX4 costs £25.82 (approx.).

Although basically a design company, Zenith handles all its own manufacturing on its own premises.



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UPDATE

NEWS FROM THE WORLD OF CB NEWS FROM THE WORLD OF CB NEWS FROM THE WORLD OF CB NEWS FROM THE WORLD

There was an interesting story told in our Ladybreakers column last month which deserves some serious thought. Obviously you can read the full story elsewhere but it briefly concerns the lady in questions finding her CB something of a danger when driving alone at night, when of course the whole idea of CB is quite the reverse.

Of course it's easy to get these things out of proportion, nevertheless we should all bear in mind that used in the wrong way, CB can be harmful and as in this case quite menacing.

We should be encouraging more CBers not trying to frighten people away, so remember whenever you switch on you have quite a responsibility, use the power of CB wisely and with common sense.

Enough of the moralising, you will notice a new feature this month 'Me and My Rig' where we ask people to give us a run down of their set up and just how they arrived at it. We kick off with the ace QSLer Mike Newbold, and we hope that you'll find this feature both interesting and informative.

On a sad note it is with

great regret that we say goodbye to Kevin Whitchurch. Kev has been with the magazine a long time and was wholly responsible for last month's great issue. He is moving into the weird and wonderful world of Hi-Fi, so as the young lad disappears into the sunset in a haze of alcohol we wish him all the best.

As the new man in the hot seat I hope I can continue the great work of both Kevin and former Editor Chris Adam-Smith.

David Lawrenson

Hedgehog Competition

The response to our June competition was excellent, with much of the CB office being filled with a mountain of hedgehog correspondence. If you remember we asked you to make up as many words of four or more letters from the word hedgehog, the prize being a Wagner base station.

Well it appears that many of you spend much of your time drooling over dictionaries because the words you came up with were quite something. Take GEODE for instance, every CBER knows that this is a nodular stone containing a cavity usually lined with crystals of mineral matter. GHEE was another popular choice, although why butter made from buffalo's milk clarified by boiling to give the consistency of oil should figure so prominently in the minds of our readers is somewhat puzzling.

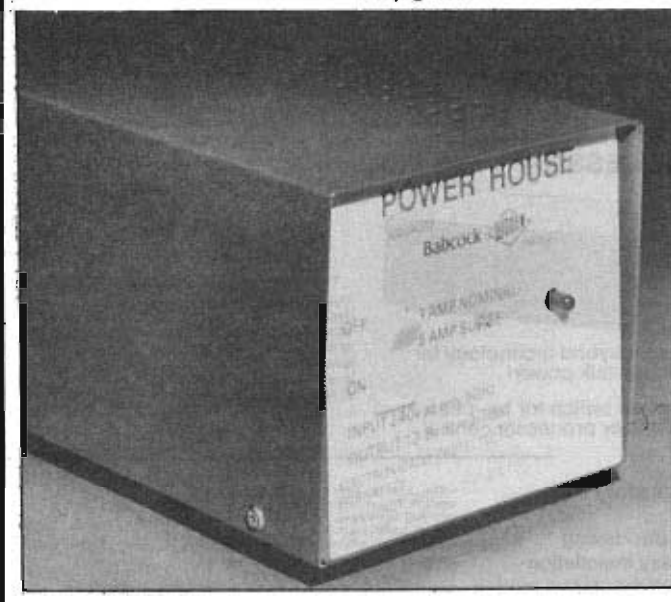
Anyway the guy with the biggest collection of dictionaries turned out to be Norman Statham of Handsacre nr Rugely in Staffordshire. Norman managed to conjure up over 30 words so he'll be making overtures to his new Wagner base station pretty soon. Slaps on the back to so many readers who made valiant efforts.

Mobile Boost

A simple yet useful product aimed at CB users who wish to use a mobile FM transceiver as a home base unit, has just been introduced by a Midlands company. Woden, who are an electrical firm based in

Bilston, West Midlands, call their unit the CB Power House, and it simply converts 240 volt AC mains power to 13.8 volt DC.

This British made product retails for £15.95, and like their range of vehicle battery chargers is fully guaranteed.



It only leaves us now with the task of christening the pesky critter who caused all the problems in the first place. The Spike lobby proved quite considerable, and one that tickled our fancy was Haemorrhoid (because if you sit on him he's a pain

in the a---). But the one we finally settled on was Branston (prickle . . . gedit?), so henceforth our spiky friend will be thus known.

Once again our thanks to everyone who entered, better luck this month perhaps.

Technoflash On Wheels

If you thought James Bond had a sophisticated car, then just take a look at the gadgets which adorn this Austin Maestro. Christened 'Communicar' it contains the ultimate in technology-on-wheels and was created specially as the UK contribution to World Communications Year.

The vehicle boasts a radio telephone (British Telecom), a transceiver (Reftec), a Mercury CB (EMS), and micro computer (Acorn), a 16 inch television set with teletext (Thorn EMI Ferguson) and a high power radio/cassette player (Radiomobile). All this is in addition to the car's own on-board computer and voice synthesizer. The installation was handled by London Car Telephones.



Stars Roll Up

Over the last couple of months we've been telling you in these news pages of the great Country Music spectacular taking place in Peterborough on the August Bank Holiday weekend.

Well now the organisers

have released details of the stars taking part and we're very pleased to let you know too. Appearing on the Friday evening, that's August 26th, will be Hank Locklin, on Saturday afternoon there'll be Big Tom and the Travellers onstage — here's hoping it can stand the

weight. In the evening on Saturday Stu Stevens will be entertaining the crowds and on Sunday afternoon Joe Brown and the Bruvvers will be there. Working up to a big climax, Tom T Hall and the Storytellers will sing on Sunday night. Finally, and perhaps best of all, on

Monday afternoon The Barron Knights will do their bit, followed in the evening by Jimmy C Newton, all the way from the good ole U S of A.

If you want details of the Peterborough Festival of Country Music phone (0733) 241789.

Safer Mike

One company who have dedicated themselves to developing a safer mike for mobile CBs, believe that their labours have finally bore fruit. Dawling Electronics, of Harrow in Middlesex, felt that the normal hand-held

microphones were potentially lethal and so set about designing a safer alternative.

The result is the Mobile Safety Microphone (MSM 100), and further information on this product can be obtained from the company at 6 Preston Way, Harrow.

Look No Hands

If you've ever wished you had two pairs of hands when trying to operate your rig while doing something else, then the Portsmouth company Telecomms may have the answer.

They are now UK distributors for Sadelta microphones which includes the LM20 voice operated switch/microphone. The LM 20 is designed for use on

motorcycles, in cars, in fact just about anywhere where you may need the use of both hands. Speech is picked up via a throat mike and fed to a voice control system in the control box that automatically activates the rig.

Apparently in tests, the clarity from this unit has been very good. Further details are available from Telecomms, 189 London Road, North End, Portsmouth.

Aerial Solution

Some purchasers of the new GAP Avenger may have experienced some problems when installing this antenna, but the company themselves have come up with a solution. Apparently the problem is easily overcome and there is an information sheet

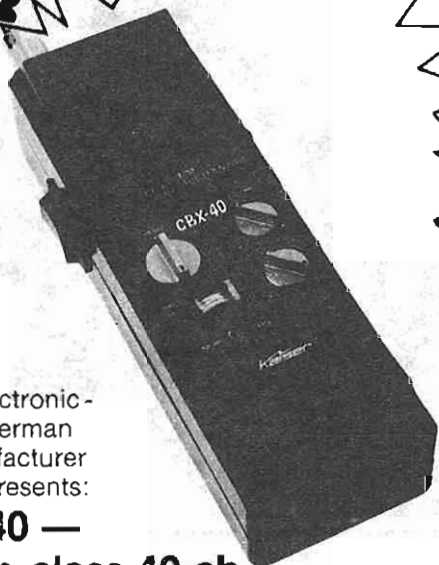
which tells you how to do it. Unfortunately, the first batch of 500 Avengers did not include this sheet and therefore caused one or two furrowed brows. So if you need the information, contact Gamma Aerial Products Ltd., Monarch Works, Balds Lane, Lye, West Midlands DY9 8TE (Tel 0384 891132/891474).

Fidelity Blame CB

Fidelity have blamed the slump in the CB market last year for the loss of some £700,000. The North London company saw their pre-tax profit slashed to just £80,000 after a first half yearly profit of £218,000.

The company say they were left with stocks of

mobile CB units which they finally decided to dispose of at nominal prices earlier this year. However, the future of the company look bright, particularly with items like cordless phones. Their Wanderer model has been in heavy demand, and the company also has an order for the British Telecom model, the Hawk.



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CB manufacturer
proudly presents:

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the top-class 40 ch
deluxe hand-held that beats
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The AVENGER will solve
ALL your problems!

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loaded legal radiator with
a single "ground plane"
threaded with coaxial
cable through the "ground
plane" and finally
supported the antenna at
it's base rather than at it's
centre.

This gives us a new legal
configuration that is
bound to be accepted by
all Breakers.

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to fix, on a wall bracket
or mast top.
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plane radials.
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giving additional height.
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due to shielding of coax
in the "ground plane".
- * Impedance . . . 50 ohms.

Could this be the ultimate
in LEGAL antennas?? . . .
We think so!!

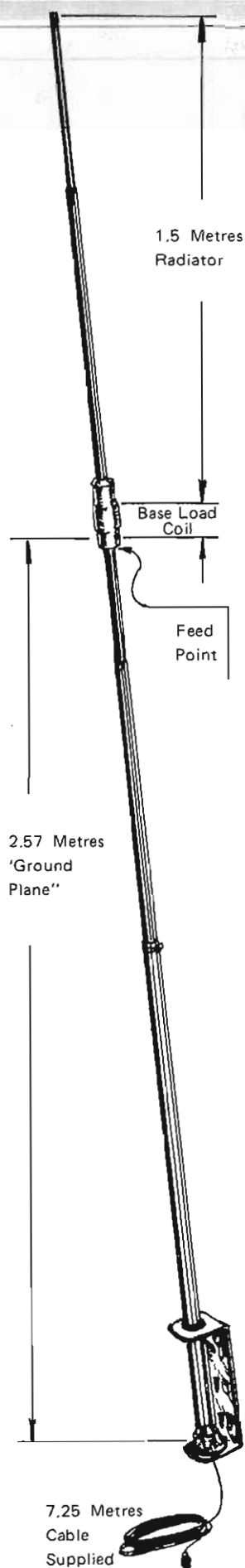
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Products Limited.

**Gamma
Aerial
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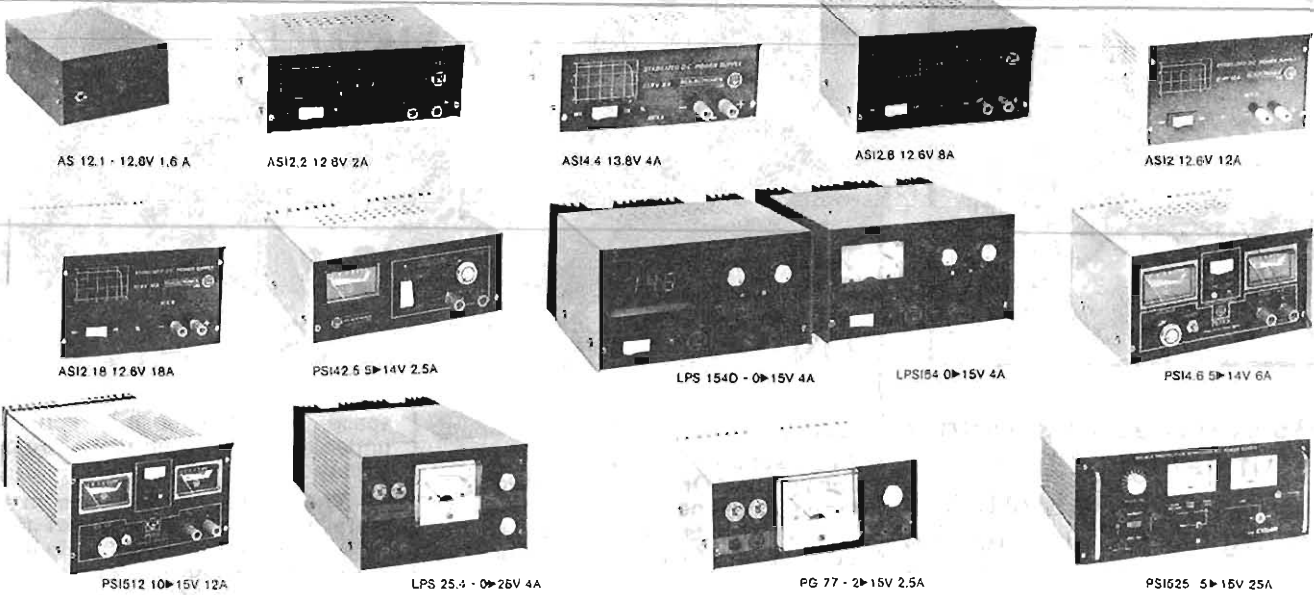
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ASI2.6 12.6V 8A

ASI2 12.6V 12A

ASI2.18 12.6V 18A

PSI42.5 5-14V 2.5A

LPS 1540 - 0-15V 4A

LPSI54 0-15V 4A

PSI4.6 5-14V 6A

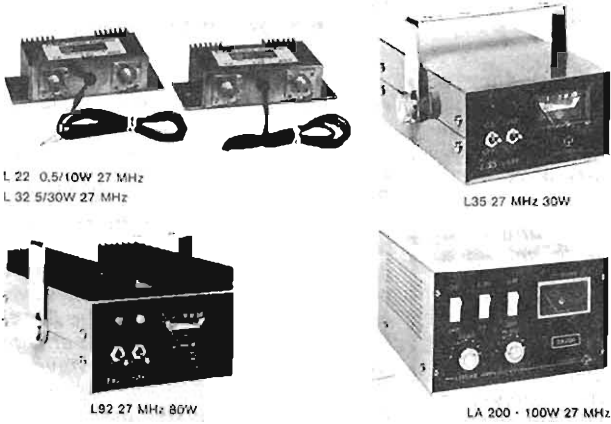
PSI512 10-15V 12A

LPS 25.4 - 0-26V 4A

PG 77 - 2-15V 2.5A

PSI625 5-15V 25A

LINEAR AMPLIFIERS



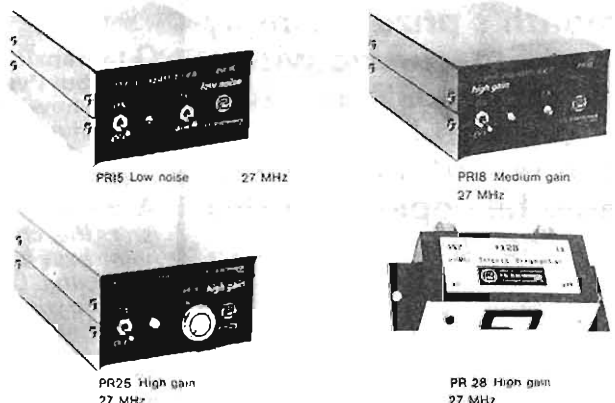
L 22 0.5/10W 27 MHz
L 32 5/30W 27 MHz

L35 27 MHz 30W

L92 27 MHz 80W

LA 200 - 100W 27 MHz

PREAMPLIFIERS



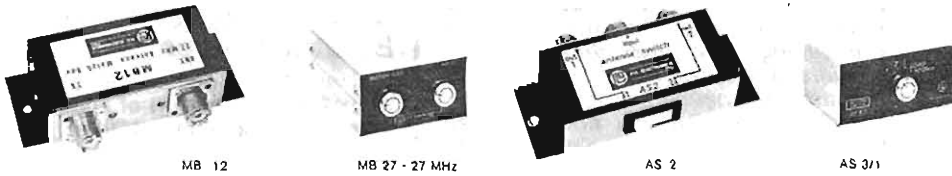
PR15 Low noise 27 MHz

PR18 Medium gain 27 MHz

PR25 High gain 27 MHz

PR 28 High gain 27 MHz

ANTENNA MATCHERS + ANTENNA SWITCHES



MB 12

MB 27 - 27 MHz

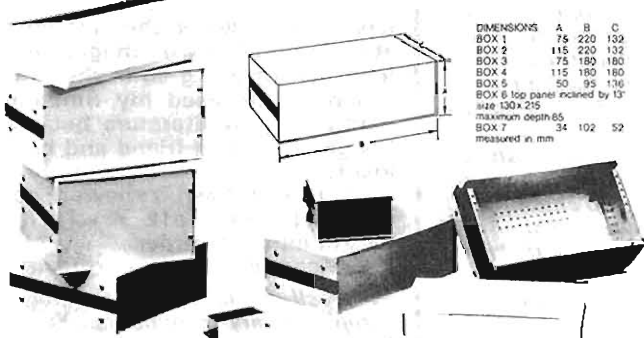
AS 2

AS 3/1



SWR METERS RW27
3-30 MHz
MINIMUM OUTPUT 1W
MAXIMUM OUTPUT 200W

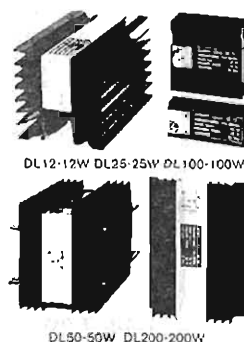
METAL BOXES



DIMENSIONS	A	B	C
BOX 1	75	220	132
BOX 2	115	220	132
BOX 3	75	180	180
BOX 4	115	180	180
BOX 5	50	95	136
BOX 6 top panel inclined by 13°	130x215		
maximum depth	65		
BOX 7	34	102	52

measured in mm

DUMMY LOADS



DL 12-12W DL 25-25W DL 100-100W

DL 50-50W DL 200-200W



DLW 150 DUMMY LOAD
AND WATTMETER
5-25-150W

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LOCAL CB
SPECIALIST**

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Sole U.K. Agents



Knight COMMUNICATIONS LTD.

**[TRADE
ENQUIRIES ONLY]**

month we did it' Surprise, surprise, I found that we haven't done it at all. That's surprising because it is such a good and well-known rig.

So, I think we'll have to do it in the near future, probably towards the Autumn. In the meantime is there anybody out there who can provide Andrew with an instruction booklet or suchlike? I'll forward the relevant stuff onto him if you can send it to our Charing Cross Road address.

Filter The Top

Up in Cheshire, a wonderful place to be sure, there's a search for a filter going on. So far the big hunt has proved fruitless so Bob David has turned to me, the unbeatable Smart Alec, for help . . .

Q I'm searching for a filter to eliminate all AM and SSB interference from my Fidelity 2000 rig? Can you tell me where I might find one or give me some advice on stopping the interference?

A There's one very good reason why you haven't found such a filter, Bob, and that's because such a filter doesn't exist. There simply isn't a single filter which will remove interference from the signal, which means that they take out FM as well as AM sound but do leave a cleaner signal.

Mission Impossible

Here's one of those questions that's just impossible to answer. It's like 'How long is a piece of string?' only more difficult. But anyway, let's give it a go . . .

Q Could you tell me which is the best walkie talkie on the market?

A The short answer is No. The long answer is Probably.

The word Best relies on so many factors - what your need is, how much you've got to spend, do you mean best to look at or best to use? So, without knowing your particular needs or circumstances it's virtually impossible to say. However, if you need a full 40 channels then the Harvard 410T; the DNT 13/40 or even the Grandstand



Communicator should fit the bill for around the right price.

If you're after range but you're not so worried about the number of channels then either of the Binatone

models will do admirably. If you're stinking rich and money is no object the Realistic TRC 1001 is for you. It's extremely versatile and can be used as a portable, mobile or homebase.

Last Post

Working my way to the final problem for this month I've come across a letter from Martin Cornes of Wembley . . .

Q I have just bought a CB rig and a copy of your magazine. I was wondering if you have a list of CB clubs or something similar for the Wembley and Harrow area. Also, how can I get a CB licence or don't I need one?

A Martin goes on to sign his letter 'Yours sincerely and fairly ignorant'. Well Martin, as my old Mum says 'You don't get anything if you don't ask'. So I'm glad to see that you're not afraid to ask and not too proud to admit that you don't know the answer to a question.

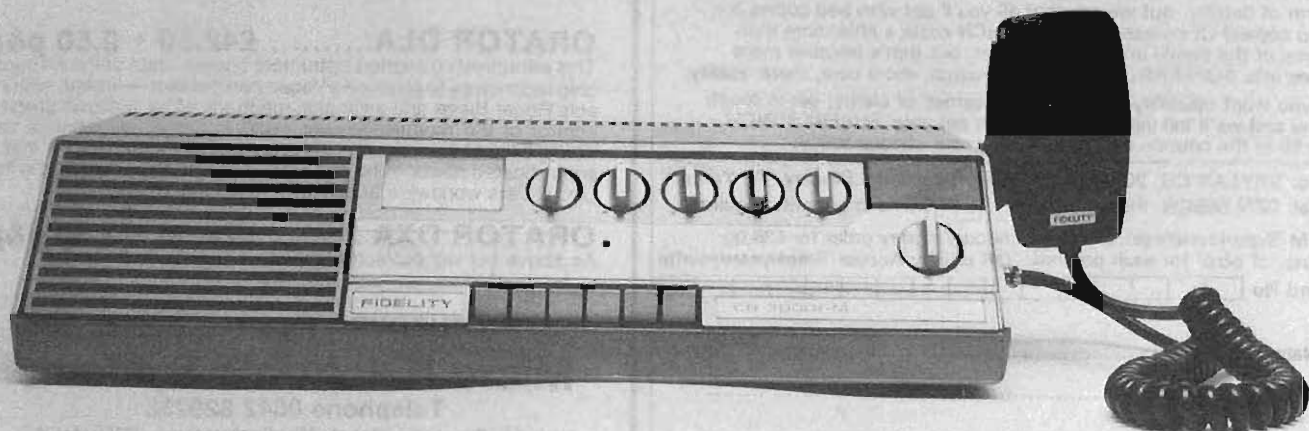
Firstly I can provide you with a list of CB clubs around the North London area. Trouble is this list has been in existence quite some time and it could be that some of them are now defunct or their addresses have changed. Perhaps the best idea is to keep an eye on our Club Directory pages where we list new clubs each month. That way you'd be assured that the clubs are still around. The other way is to listen out on channel or even ask around the local breakers. Somebody you talk to on air must know of a good, healthy local club.

Secondly, yes you do need a CB licence. This you can get from your local Post Office for the princely sum of £10. Now even though that might seem a lot it sure eases the guilt once you've got one and you know you're not operating illegally. Arguments still rage as to whether the licence fee is well used but that's a problem for another day . . .

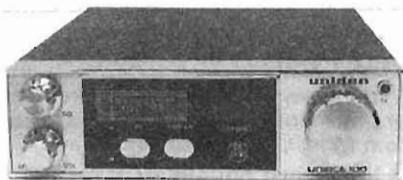
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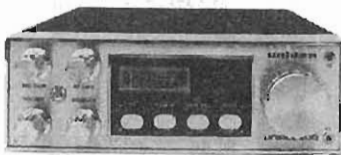


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GENERAL SPECIFICATIONS UNIACE 200

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Microphone: 600 Ohms, dynamic type
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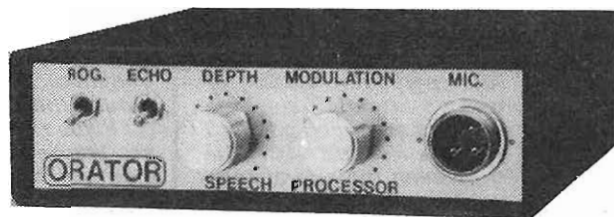
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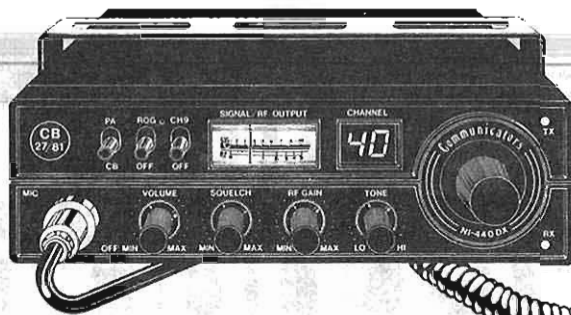
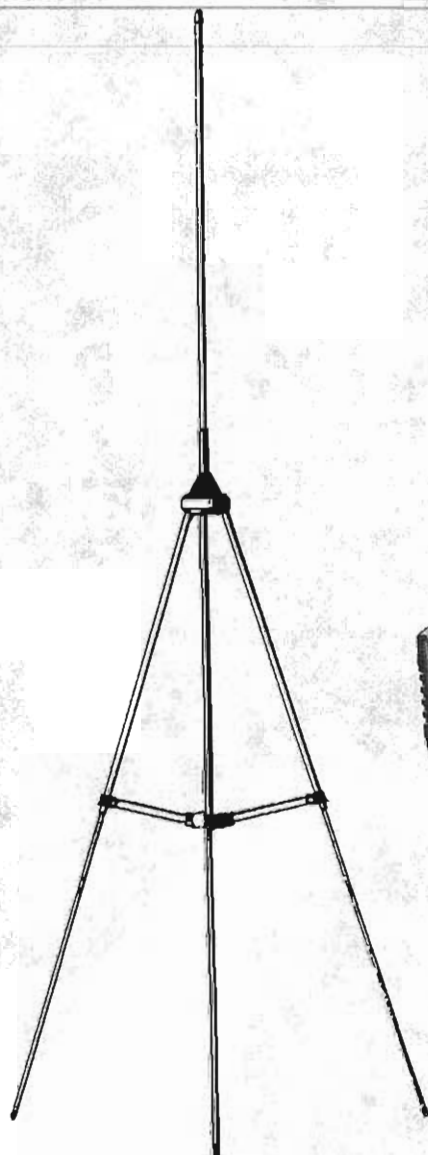
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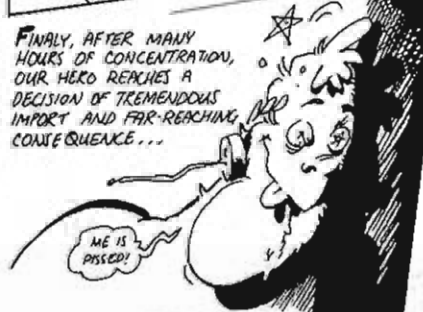
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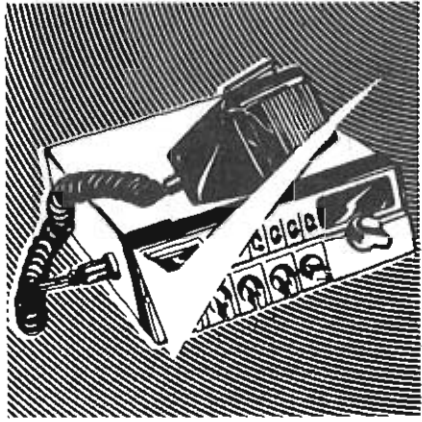
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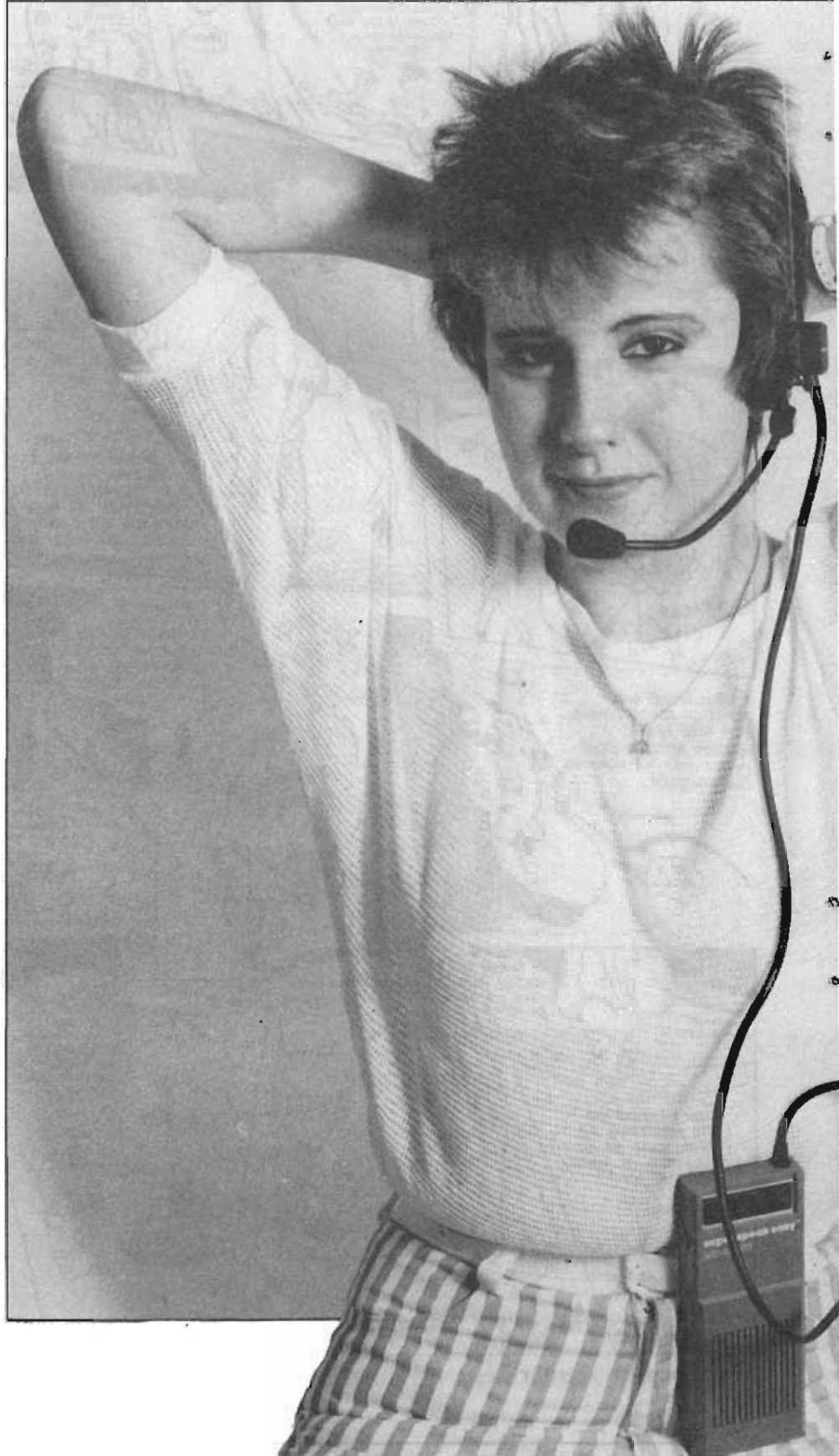
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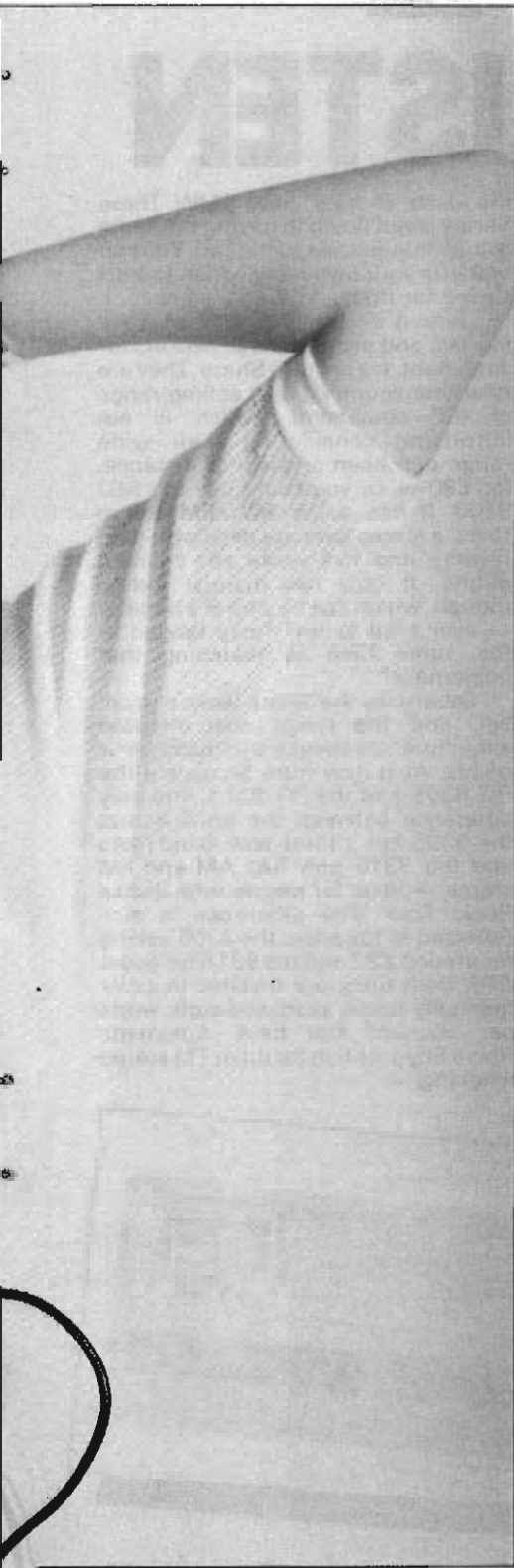


Cliff Wilson has been investigating the very newest product from Maxcom, the Super Speakeasy, and assessing its hand free operation

Hands free boomps-a-



and daisy



Stick it on your head and you could tell yourself that it made you look like Twong. Nobody else would think that the Maxcom Super Speakeasy made you look like Twong of course because our readers use much more reliable underwear and not all of them go in for Newcastle Brown Ale. I even like to think that some of you can appreciate the qualities of draught Guinness, but that's another story.

The Maxcom Super Speakeasy is, I'm afraid, illegal. It operates on FM at around 50Mhz which means that if you were to use one of these units in the UK you'd be interfering with that all-important public service, 405 line black and white television, the one they'll soon be closing down.

Indeed, using *one* Super Speakeasy in this country would be likely to be a fairly lonely, not to say futile thing unless you really are addicted to the sound of your own voice, because all the legal breakers are miles away where they belong on 27Mhz.

So you'll need two or more, and they will cost £39.95 or so each. It would also of course be as well to make sure that they all operate on the same channel. Speakeasy's are designed to work on a number of different channels, designated by letters which are printed on the back of the box. If you were to buy a pair, you'd have to make sure they all had the same letter on the box, otherwise they would not speak to each other.

The headset takes the form of a single earpiece connected to a headband together with a mouthpiece on the end of a plastic stalk. The idea of the single earpiece is sensible because, if you were to use this device in the UK, you'd need to use the other ear to listen out for the sirens of the British Telecom Task Force speeding to repossess its wavelength and reclaim the sovereignty of 49.830 Mhz.

The microphone stalk is a bit of bendy plastic and it did actually work quite well once I got the knack of stopping the thing poking itself up my nose. The whole headset seemed a bit fragile but in use this turned out not to be the case.

The headset is connected by a metre of cord to a rather dreary looking grey box which sports all the controls. It's slightly longer and narrower than the average personal stereo unit but is very light at only 11oz. and has a sturdy spring clip which enables you to clip it securely to your belt. Twong doesn't wear a belt of course, so he'd have to find something else to clip it to.

Standard equipment also includes a vinyl case which, to quote the free translation from the original Korean on the box is, 'to keep the unit looking nice, lasting longer.' You also get a battery charger included in the box which will charge NiCad rechargeable batteries inside the unit without needing to remove them. This is a thoughtful inclusion but seems a little dangerous in view of the fact that Maxcom don't give you the batteries

and there's a risk that users who might be less enlightened than you and me might be tempted to do a lot of damage trying to recharge ordinary batteries. It takes four of the 'AA' variety by the way.

There are in fact four switches on the Speakeasy, the easiest of which to understand is the three-position audio volume control and the microphone sensitivity control.

The main mode switch also has three positions and requires a little explanation — or two of the positions do because the third, marked 'off', would not even tax the intelligence of a British Telecom engineer.

The position marked 'Vox' gives the gadget an air of scholarship because it is the Latin word for 'Voice'. Yes it is, really! You use the position when you want the transmitter to be operated by the sound of your voice whilst remaining in 'receive' mode the rest of the time. It is linked to the microphone sensitivity switch which in effect regulates how loudly you need to shout at the thing before it does anything. I'm thinking of fitting a similar facility to the wife.

Finally there's the 'PTT' mode. This is 'Push to Talk' and is associated with a second push button so that your voice is only transmitted when you push the button.

Sensitivity

When we took our Speakeasy's abroad for our in-depth practical tests, we found that the 'high' sensitivity was the most useful and that even at this setting it was necessary to talk fairly loudly to trigger the transmitter and that a little more sensitivity might have been more useful. However, this is a difficult point because too much sensitivity would cause it to be triggered by spurious noises. With the lower sensitivities you really need almost to shout but this would not be unreasonable if the unit were to be used in a noisy and crowded environment.

Our estimate of the range in open country would be around a quarter of a mile, although this was seriously affected by obstructions. We also found that both the headset and control unit were light and comfortable to use and it was easy to forget that you were wearing them.

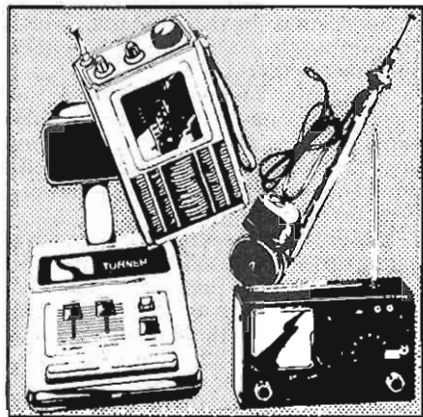
The voice operated trigger was effective and the Speakeasy was very useful when being used in a 'hands free' situation.

One of the more expensive 'walkie-talkie' type rigs, the Super Speakeasy is still considerably cheaper than most mobiles but has a correspondingly lower range, mainly because of the short antenna. It is well made if rather unglamorous in appearance and gives the impression that it would give long and reliable service.

Last time we wrote about this kind of CB we said that we hoped that some legal versions would materialise. So far this hasn't happened, but keep reading CB and you'll be the first to know.

CB

Equipment Review



Tom Murphy straps himself in, presses the button, and launches into the latest in car sounds.

SERVE WITH ICE AND LISTEN

There's a lot of money to be made from selling in-car entertainment units, and Pioneer can safely be said to have banked a good deal of it. Not only do they have one of the most comprehensive ranges of in-car equipment, they constantly bring out new models to keep them at the top of the in-car league.

Take their new KE-8300 for instance. Modern ICE units have stopped using the 'knob-at-each-end, -tuning-scale-in-the-middle' format, and the 8300 radio cassette uses a very smart fascia design in brushed alloy. At night all the controls light up — not just the tuning scale or cassette door — so you can see what you're doing. And with the amount of buttons on it, that's just as well.

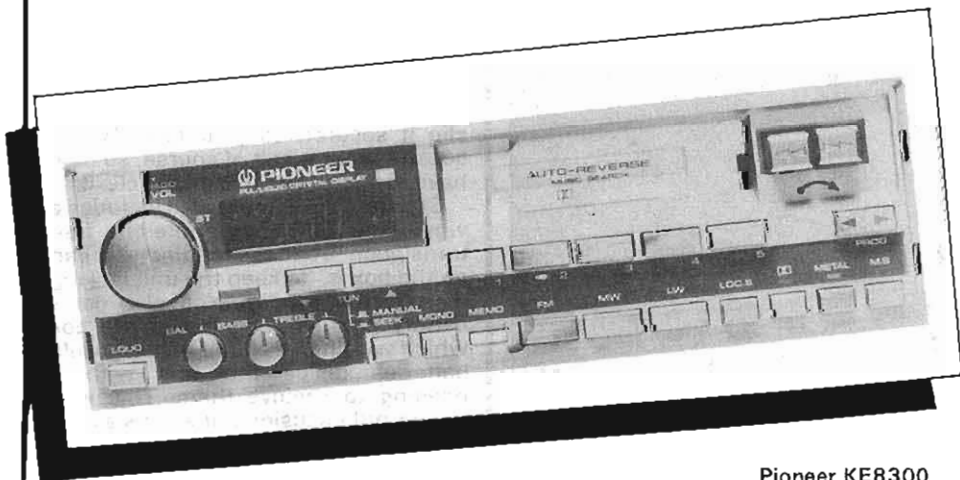
The unit features Dolby B noise reduction, metal tape facility, separate bass and treble controls with auto reverse and music search on the cassette. The tuner is phase lock looped for accurate tuning to stereo FM stations, and as well as five push buttons on three wavebands it will also tune into stations on its own at the touch of a button. But with all that it's not cheap, around £270.

Fancy something less expensive? Pioneer also make the KE-6300, which shares many of the features of the 8300 at the bargain price of £240. The 6300 is designed to fit right into

the dash of your new BMW Three Series (even down to having the same colour illumination as the car). You can make up your own mind which to start saving for first.

Getting back to the land of mere mortals and average wage packets for a moment, we come to Sharp. They are now this country's best selling range of ICE equipment, which is not surprising considering their wide range and keen prices. For instance, for £80 or so you could buy the RG-9300. It has a LW/MW/FM stereo radio, a stereo cassette deck with auto reverse and five watts per channel output. It only has manual tuning though, which can be a bit of a handful — ever tried to find Terry Wogan at the same time as watching that juggernaut?

Otherwise the Sharp looks a good bet, and the range also includes amplifiers and speakers to match your needs. Also new from Sharp are the RG-9305 and the RG-9315. The only difference between the units is that the 9305 has a three waveband radio and the 9315 only has AM and FM stereo — ideal for people who dislike Radio Four. The difference is also reflected in the price, the 9305 selling for around £82 and the 9315 for about £76. Both units are finished in silver manually tuned, produced eight watts per channel and have Automatic Noise Suppression for quiet FM stereo listening.



Pioneer KE8300

Worth a look (even if you can't afford them) are the new-in-car-units from JVC, a company well known for their videos and hi-fi's. They only sell two models, both radio cassettes, the RS-R71L and the KS-51L, and while they look a bit ordinary they've got a good deal to offer. For a start both units can put out a maximum of 22 watts per channel, which means they are very loud. One of those clever micro chip things looks after the radio on the 71L, which lets you choose up to 18 preset stations or will find its own if you like. The digital display can either tell you what frequency you're on or what the time is. The more complex 71L retails for about £225, and the more mundane 51L will set you back about £165. The quality of sound reproduction and build should be up to JVC's usual standard, and at these prices so it should be.

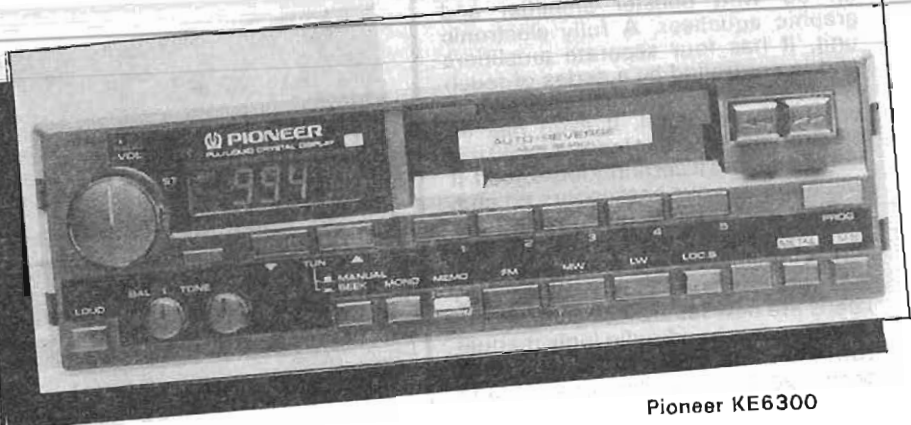
Newcomer

Another newcomer to the ICE market (in this country at least) is Sparkomatic. Despite sounding like an electronic ignition system, they are actually one of America's best selling ranges. They have entered the British market with a full range of models running from a £62 combination to a £227 unit, with a full supporting cast of speakers, graphic equalisers and amplifiers.

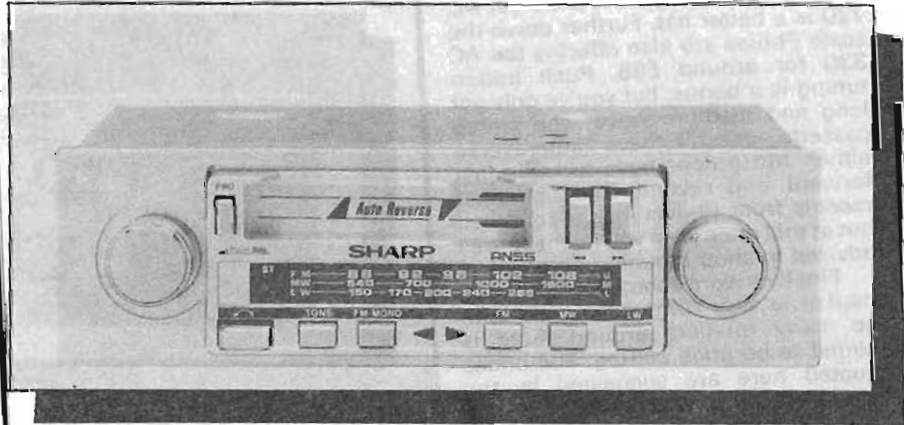
Unique among ICE manufacturers, Sparkomatic allow you to buy a complete boxed system (unit, speakers and amp if applicable) which is wired up inside the carton. This way you can listen to the actual unit you buy before it leaves the shop. Also they offer an advice hot line, so if you get into difficulties while fitting the unit you can speak direct to Sparkomatic service engineers and sort your problem out. They also instructed dealers to offer a replacement to anyone whose unit breaks while in service — virtually unheard of in the UK. For those reasons alone they deserve to do well.

Typical of their product is the SR303 radio cassette. Made in unassuming black plastic it features a three band radio with stereo FM and a stereo cassette with auto reverse and fast forward/rewind. At £92 it makes a complete package, although it falls down in only having manual tuning.

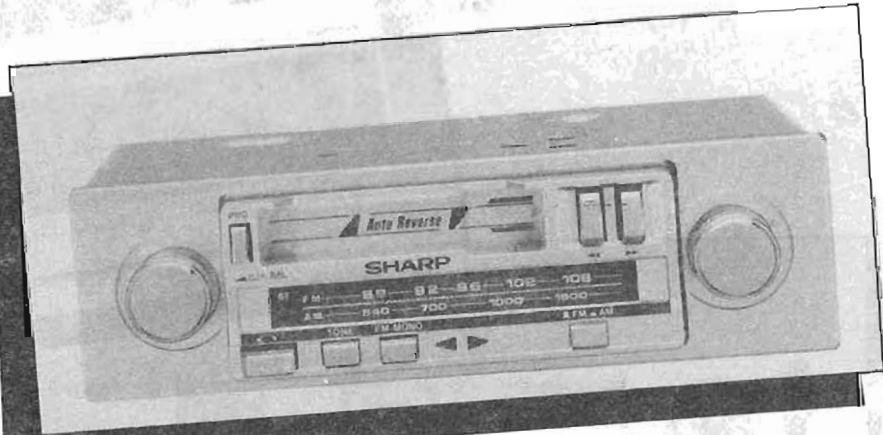
Up at the top of the range the SR308F looks as if it could be in for some trouble. At £227 it has to compete with units from Pioneer, Clarion, Blaupunkt and the rest of the established ICE names, and their offerings at this level take some beating. The Sparkomatic isn't short of features though — it boasts a 45 watts output, phase loop tuner, 15 preset stations, station search, separate bass and treble controls, and balance/fader controls for a four speaker system. It also has a digital frequency readout or it can be used as a clock. It will be interesting to see how well it sells against such opposition as the Blaupunkt Montreal or the Philips AC 914.



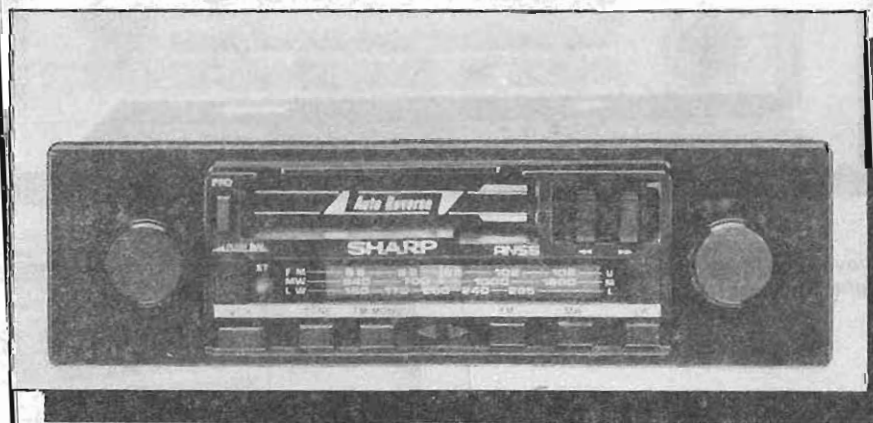
Pioneer KE6300



Sharp RG9315



Sharp RG9305



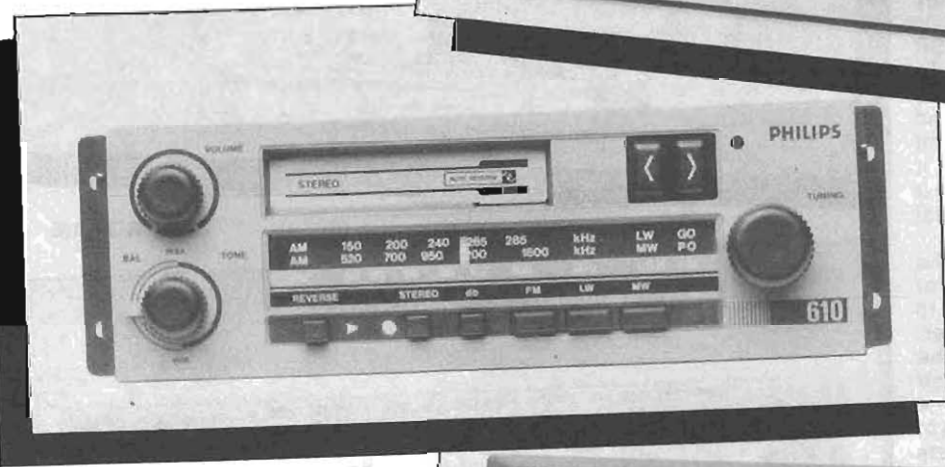
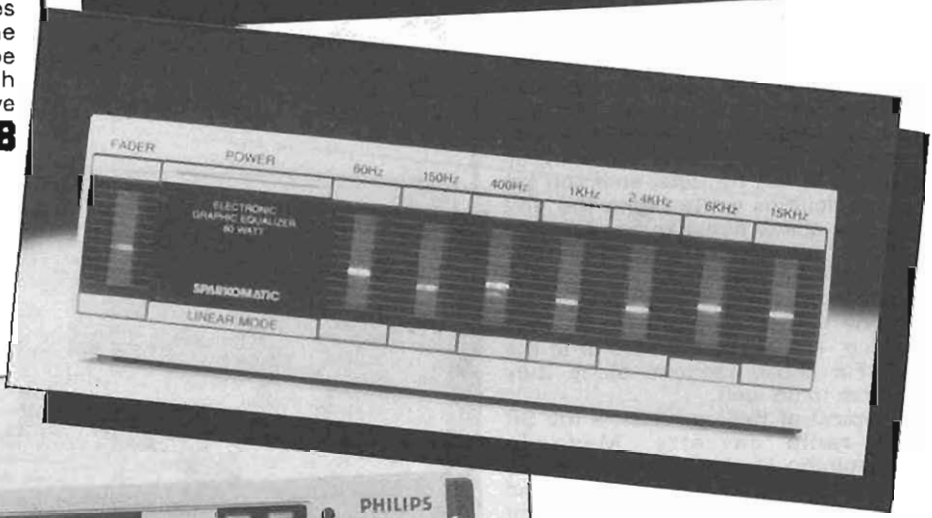
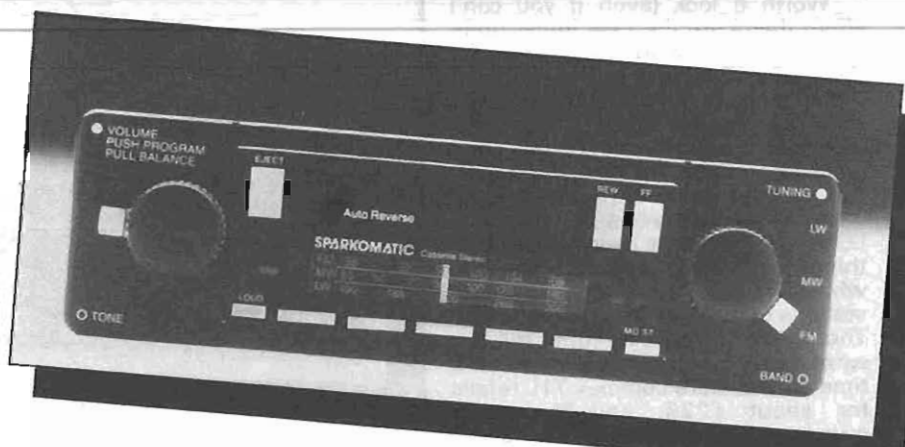
Sharp RG9300

Worthy of a mention is the GE 70, an 80 watt booster amplifier and graphic equaliser. A fully electronic unit, it has four separate amplifiers and is controlled by a series of touch sensitive switches which move LEDs on the front panel. It even has an electronic front/rear fader. At £90 it is not cheap, but it certainly looks good. It will impress your passengers no end. Philips are another firm making full use of different fascia designs on their radios. Following the lead set by the 820 and the 914, their new AC 610 keeps the new family look going. It has a three wave band radio (only manual tuning) and a stereo cassette borrowed from its big brothers and featuring auto reverse as well as rewind and fast forward.

Mind you, it looks a little expensive at £125, and to my mind the older AC 720 is a better bet. Further down the scale Philips are also offering the AC 330 for around £95. Push button tuning is a bonus, but you've only got long and medium wave. The stereo cassette doesn't have autoreverse either, but it does have lockable fast forward and rewind. The upmarket models from Philips look a good bet, but at this price level you might be well advised to shop around a little.

Finally a word about prices. The ICE market is very competitive, and with so many retailers around there is bound to be price cutting. The prices quoted here are suggested by the manufacturers, and you should be able to better them in your own High Street, so look before you buy and save yourself some money.

CB



Sparkomatics from top to bottom: The SR312F, the SR307F and the graphic equaliser GE 78-80

Above: The Philips AC610
Right: Philips AC330



LADY BREAKER



The story of one dedicated lady breaker who kept her hand to the mike instead of the wheel, and landed in the drink.

Well, here I am again, breakers, to add my unique brand of wit and sophistication to this rag. This month, I have a funny story for you — well more of a cautionary tale, really. It's about something that happened to this mate of mine (lucky it was someone else, if it had been me I wouldn't have dared make it public). Unfortunately for this friend, it happened while I — er, I mean this friend — was actually on the air, so it's already the talk of three counties and still spreading. News travels fast when a local celebrity makes a right twit of herself, and if I — I mean, this friend — wasn't a celebrity before, she certainly is now.

It happened like this. It was a sunny, cheerful sort of day, and all the local CBers were trundling around out in the countryside, all telling each other what a lovely day it was, and how it was great to hear the birds sing, and wasn't CB a terrific invention, so much easier to discuss the weather, when this friend of mine came on the air. Her handle, you ask? Oh, er . . . er . . . Lily Pad, that's it. Anyway, Lily Pad was driving round the lanes in her red mini (rather like mine, actually) looking for some farm out the back of beyond owned by a farmer she wanted to interview (she's a journalist too, funny coincidence).

This friend, I'm sorry to say, likes the sound of her own voice and was soon hard at it, taking over the conversation which had turned quite complex and technical — you know the sort of thing, magmounts versus direct mounts, top of the roof versus bonnet/boot — when suddenly, there was this loud squawk, followed by silence. "Hey Filly (that is, *Lily Pad*), you OK? Do you copy?" asked The Hammer, anxiously. Then a squeaky voice was heard, "You lot all still there? I found the farm. I've just driven through a hedge and landed in its duckpond!" And I am sorry to say, instead of rushing to the rescue of a fellow breaker in trouble, all that those creeps could find to do was cackle about women drivers and fall about laughing.

All very embarrassing, but luckily, not fatal! What had happened could happen to any novice, or veteran come to that, who gets too interested in the conversation and the mike clutched in his or her paw instead of concentrating on that dull piece of tarmac called a road. Yes, yes, it's obvious, I know, but you see this

tractor had suddenly shot out of a gate in a narrow part of the lane, and as the natural instinct is to avoid an obstruction, there isn't much you can do with one hand on the wheel but go through hedges into duckponds. You should, of course, drop the mike, but in moments of shock you tend to freeze — either that, or remember how much the thing cost you (never mind the cost of the car!). Stop laughing, it's not funny, it could happen to you. On a busy motorway, in town in the rush hour, anywhere.

And don't believe anyone who says there's no such breaker as Lily Pad round here. It's all a wicked slur . . .

Speaking of mishaps, it seems that our area can now boast a Channel 9 monitor. I'm pleased about that, I've been doing a bit of monitoring myself recently and there does seem to be a need, if only to have a tough authoritative voice telling all those wallies, who think it's a great idea to monopolise 9 for their own trivial chat, to sod off. And although I hate to say it, a tough authoritative *male* voice is more likely to succeed in such cases. Let them hear a female voice telling them where to get off and that's it, a challenge, and you'll never get them off the air.

As our bit of England is criss-crossed with a number of major routes, in particular the dreaded and ageing M1, there is no shortage of accidents. And as it is also rather rustic, with winding lanes often leading nowhere and one petrol station every 20 miles, there is no shortage of lost, bewildered or stranded breakers.

I have in the past been helped by monitors in other parts of the country and I wish people would stop knocking them. I've been told about a housebound lady breaker who used to sit by her rig all day long, doing nothing but warning passing breakers about accidents, traffic diversions, jams, and guiding anyone who needed it through the surrounding complex junctions. Then someone called her a do-gooding busybody, and she's hardly spoken since. Who can blame her?

There, that's been maddening me for weeks, and I hope someone, somewhere, is sorry. And I hope any moron who takes it into his pea-sized brain to play music (and it's always excruciating music, have you noticed?) over Channel 9 ends up in a duckpond miles from anywhere with no one at all around to haul him out and get him home.

CB

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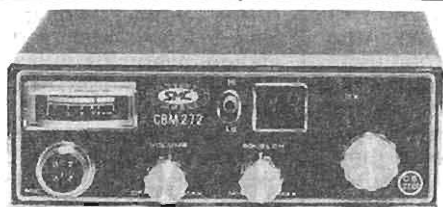


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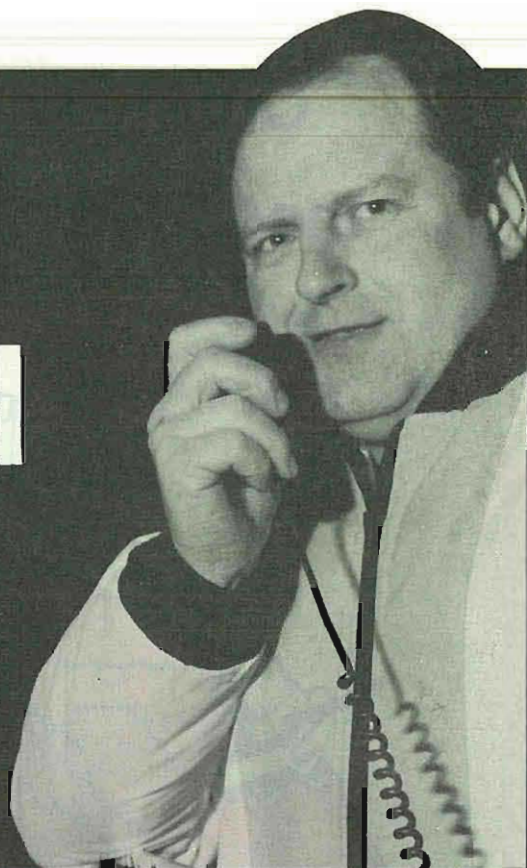
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We're often asked at *Citizen's Band*, what rigs we use. Well here in a brand new series we're going to tell you. First off medicman Mike Newbold puts his QSL cards away for five minutes to wax lyrical about his hardware.

Me And My Rig



Having had an intense interest in anything to do with Citizens' Band Radio since the mid-70's I had collated files upon files of information on American CB equipment, and by the time we had finally heard that HM's Government was going to authorise a legal CB system for the United Kingdom, I had a fair idea of what my ideal equipment would be.

Unfortunately, after all those years of campaigning, the MPT equipment specifications were only published some four months before L-Day, so the manufacturers had little time to spend designing anything other than basic transceivers, or lose out on what proved to be a very lucrative market. Most chose to market the basic Cybernet in various guises and with different face plates, but underneath it all was the same standard printed circuit board. The only available rig in any quantity on L-Day was the Lake 850, so my first FM rig was selected by Hobson's choice, and with a K 40 Antenna proved to be the cats whiskers, although after all that time anything would have been great!

I was on the air at last, but soon looking for something just a little better. With the inevitable flood of CB transceivers that shortly followed, it was difficult to decide on what was to be the best investment. At that time my sights were set on the SHOGUN, but taking all points into consideration I plumped for the RADIOMOBILE 202, a very neat, well presented rig which embodied all the requirements I had been looking for.

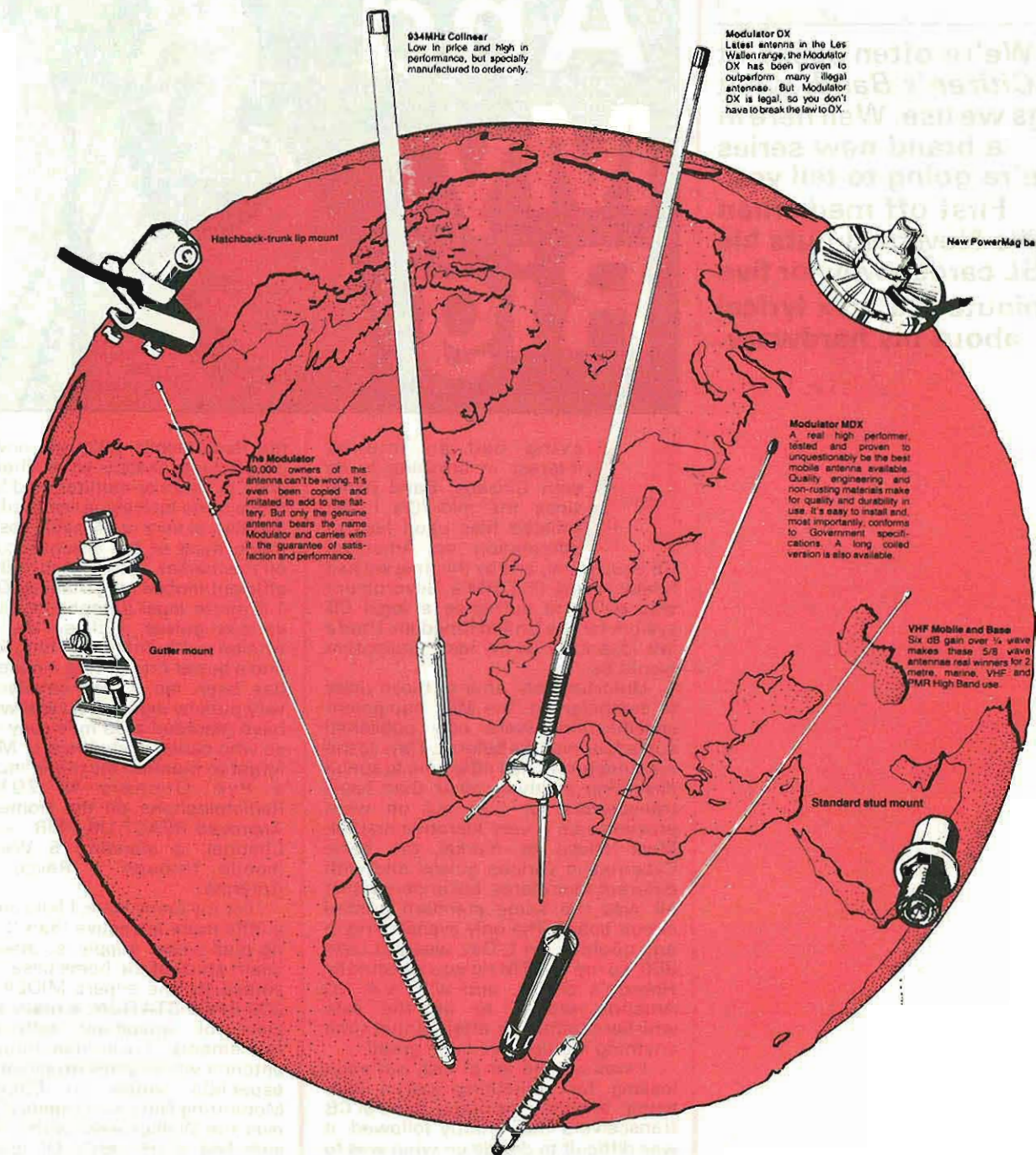
Always liking mobile contacts, I invested in a Techtronics 206 Scanner Unit which I duly installed on

the Radiomobile 202, and now I can programme exactly what channels I wish to listen or monitor, and by-pass those of no interest, a really advanced addition at very reasonable cost. After trying most of the antenna currently on the market, I have yet to find a more efficient mobile twig than the Oscar, a 1.5 metre legal antenna, available in various guises, I chose the 11 NE version with fold-over hinged whip and a gutter fitting. This mobile set-up has been more than satisfactory, a very punchy signal around town, and I have recorded a 65 mile copy on this, so who needs nasty linears? Must not forget to mention my other 'mobile' — a Pye Olympic M 201 VHF Radiotelephone on the Home Office Approved REACT UK PMR — Private Channel, a standard 5 Watt VHF mobile through a Revco 2002L Antenna.

For my home base, I felt something a little more attractive than the usual rig plus power supply, so after an in-depth study of the home base market I settled for the superb MIDLAND 76-200 BASE STATION, a really exciting piece of equipment with lots of refinements, I run this through an antenna which gives excellent results especially when on Channel 9 Monitoring Duty as it seems to get out over the Wallies even with the -10dB switched in (Honest!). Of course, no good Base-Station set up would be complete without an ATU (Antenna Matching Unit), I use a Bremi, and a Bremi Pre-Amplifier. As a great believer in good operation practice, I always use my Sirtel power reducer when appropriate. A Ham master 4500 Base Microphone completes my ideal set up.

CB

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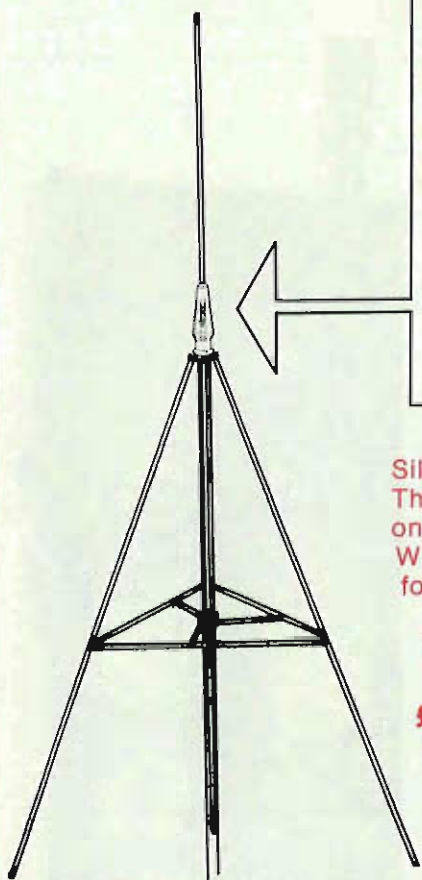


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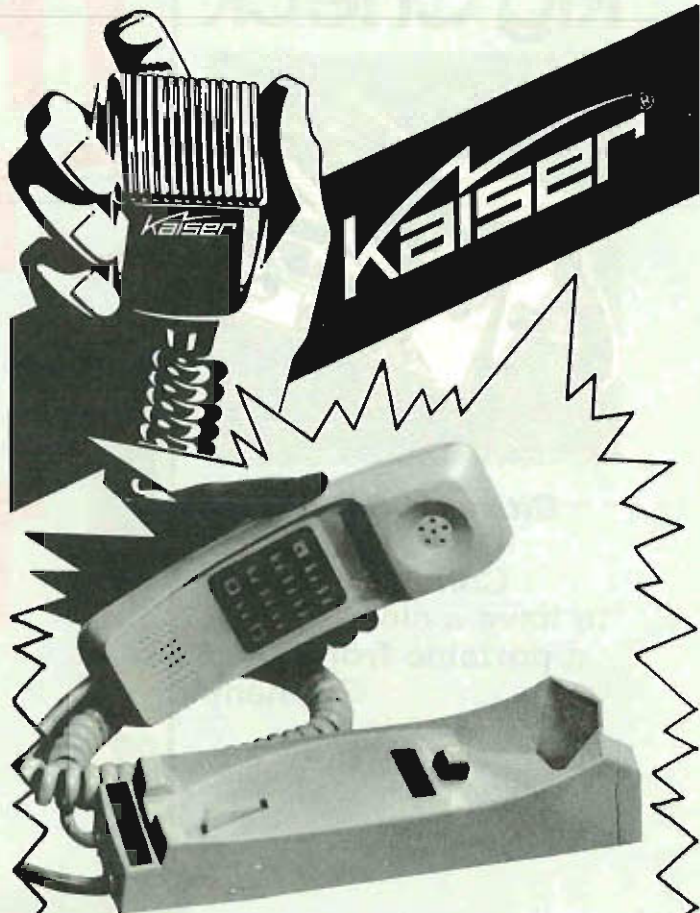
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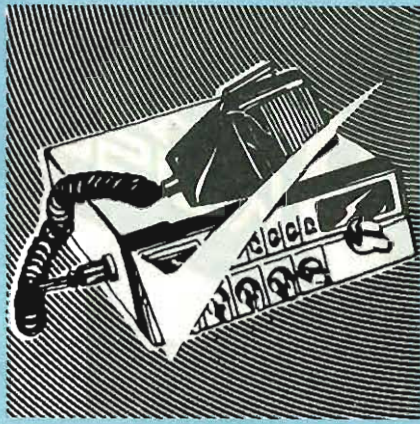
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Rig Check



Citizen's Band goes out into the Common Market to have a close look at a portable from West Germany

The Kaiser CBX40 On Test



A quick glance through our checklist in the reference section of the magazine will show that there is only one foreign based company on the UK market and they are the Kaiser company of West Germany. So we it about time we showed true Common Market spirit and checked out one of their rigs.

The unit on test is the Kaiser CBX 40 portable, and on first sight looks solidly built and very sensibly designed. It is supplied with a rubber duck antenna, a private listening earphone and a specially designed leather-look zip up case.

The Kaiser sits neatly into the hand and is just as comfortable slung over the shoulder. First initial tests proved very encouraging, with distances of over three miles being registered for sending and receiving, and this in a particularly built up area.

A word about the actual mechanics of the unit, it is powered by eight 1½ volt batteries, which can be the ordinary kind of Ni-Cad rechargeable ones. I fitted Ni-Cad and was delighted to find that they could be recharged via an external socket, using a battery charger, and leaving the batteries in position. The manufacturers also recommend that a mains adaptor should be used for long periods of home use, and they have supplied the unit with a special circuit for just such a purpose.

The rubber duck slotted neatly into place, though other antennae such as the telescopic type can be fitted quite easily. After that you are off and running, and it really proved very simple to operate.

Controls

There are three rotary controls on the front of the Kaiser, an on/off volume control, a squelch control and the channel selector. Above these controls is a small window which displays the number of the channel in red LED's. The number remains visible for some four seconds before disappearing, and this prevents unnecessary drain on the batteries. Finally, there is a 'display' button on the side of the unit, to bring the number up if you want a quick check.

Once you switch on you can see the small built-in meter with two sets of graduations on it. The upper scale tells you how much power is left in the batteries, while the lower shows how strong the signals are during transmission and reception.

The only other controls on the front are the high/low power output switch which makes it possible to save even more power over short distances, and the channel 9 quick select button for emergencies.

Most of the sockets are arranged on the right hand side of the rig, while on the left hand side there is a very clever arrangement with the 'call' button being neatly inset within the PTT (Press To Talk) button.

In Use

After a few days use I must admit to being very impressed with the performance of the Kaiser. On low power, I can be talking to friends within a radius of over a mile, but when switched to high you're talking about distances over three and a half miles.

The squelch facility works very well indeed, particularly as it is so finely adjustable. It is very difficult to leave this control set too high, because if the signal is too weak to be picked up while the control is in the first marked section of the dial, it isn't worth the effort of trying to decipher it. All the range figures quoted are between two portable bases, but the manufacturers do point out that the distance can be significantly increased between a portable and a home unit.

With the rig in its case, I found it easier to use with the strap adjusted, so that I could swing the unit up to the listening and speaking position without taking it off my shoulder. The Kaiser is surprisingly light and easy to carry around, and the dimensions of 65 x 220 x 80 mm mean that it is small enough never to become a hindrance or stop you from moving about.

Overall, the Kaiser proved to be an excellent unit both in performance and in ease of use. The clarity on RX was particularly good, and the overall range more than adequate. The actual ergonomics of the unit are worth mentioning, because it really is a nice looking and easy to use mobile.

If you purchase the Kaiser you'll feel as though you have got a product of quality and durability. Although one can't test for something like durability, nevertheless the feel and the looks of the thing make you feel as though you invested wisely.

Conclusion

No doubt about it the Kaiser is a fine, well made rig and functioned well on test. However, at £80 it is expensive compared to many other hand helds on the market. The Binatone Longranger 40 and the Maxcom 7E both compared favourably on test and both are three-quarters of the price.

Distribution for the Kaiser in this country is being handled by Solid State Electronics (UK), 41 Twyford Avenue, Shirley, Southampton.

GB



RIG REVIEW DATA PANEL

Model Kaiser CBX 40
Distributor Kaiser Electronics
Typical Price £80 each

Features	Yes	No
PA Facility		●
External Speaker Jack		●
TX Indicator Light		●
RX Indicator Light		●
PA Indicator Light		●
S/RF Meter LEDS	●	
Hi/Lo Power Switch	●	
ANL/NB Switch		●
CH9 Switch		●
Variable RF Gain		●
Mike Gain		●
Delta Tune		●
Tone Control		●
LED Channel Readout	●	

Facilities	Superb	Good	Fair	Poor
Ease Of Controls		●		
Built In Speaker		●		
Microphone Location		●		
Cabinet Construction		●		
Quality Of Control Switches		●		
Channel Indicator Readability		●		
Mounting Bracket				
Hand Book/Instructions				●

Specifications

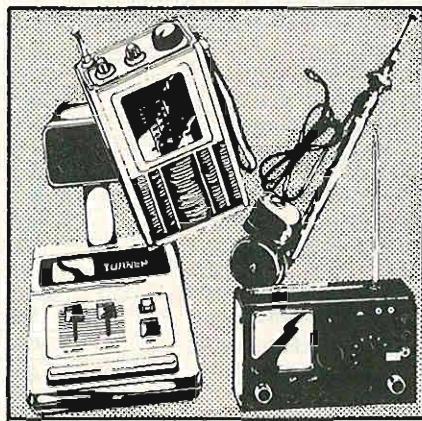
Modes Of Operation	FM Only
No. Of Channels	40
Weight	—
Dimensions	—
Supply Voltage	12VDC
RF Output Power	2.5 Watt
Frequency Stability	in Spec.
Swamping	Fair
Sensitivity (RX)	—
Spurious Emissions	In Spec.

CB VERDICT

Range	XXX
Clarity of TX	XXX
Clarity of RX	XXXX
Ease Of Controls	XXXX
Ease Of Installation	—
Performance	XXXX

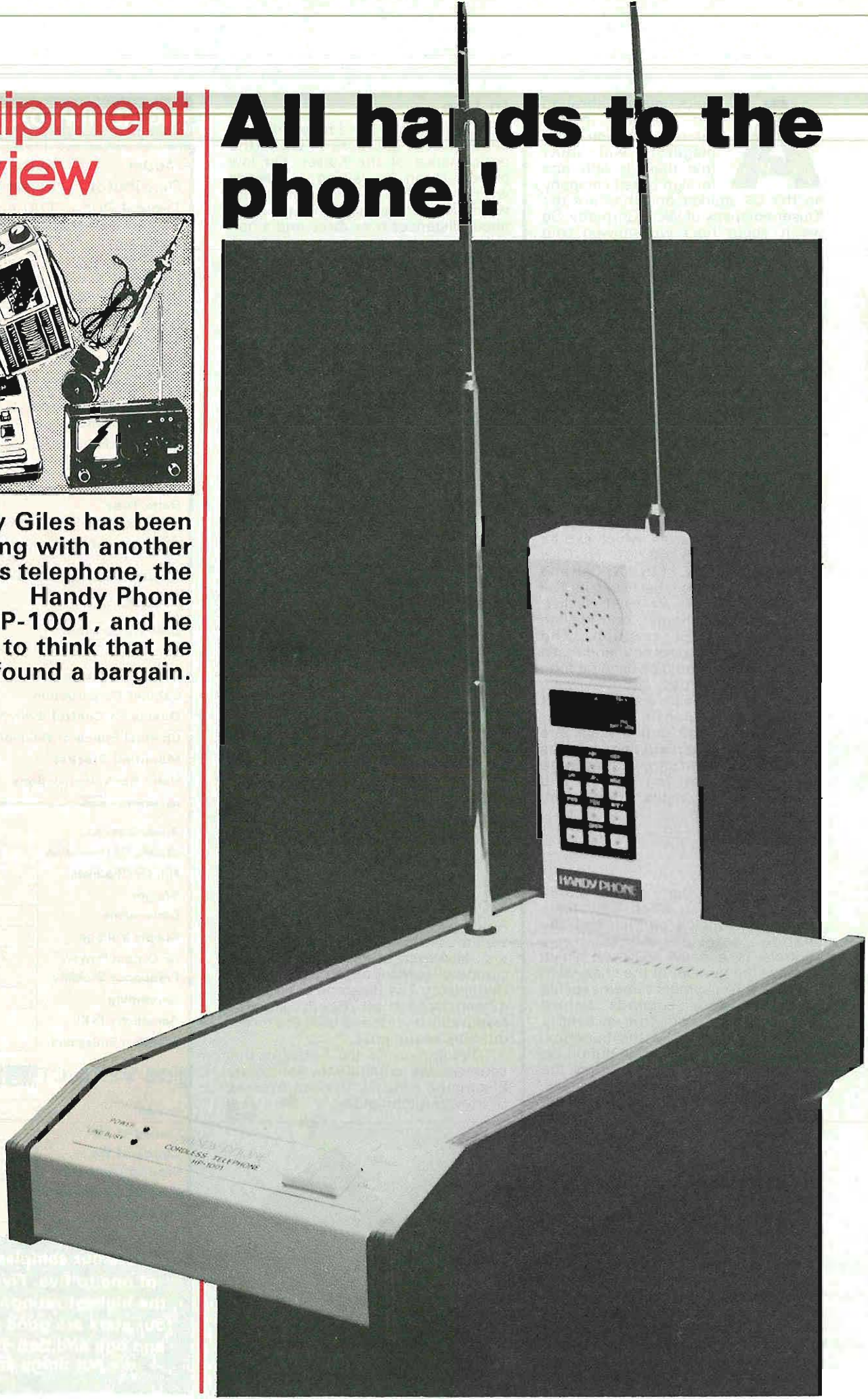
We rate our samples on a scale of one to five. Five stars is the highest rating, three and four stars are good to average and one and two stars mean it's not doing so well.

Equipment Review



Andy Giles has been playing with another cordless telephone, the Handy Phone HP-1001, and he seems to think that he has found a bargain.

All hands to the phone!

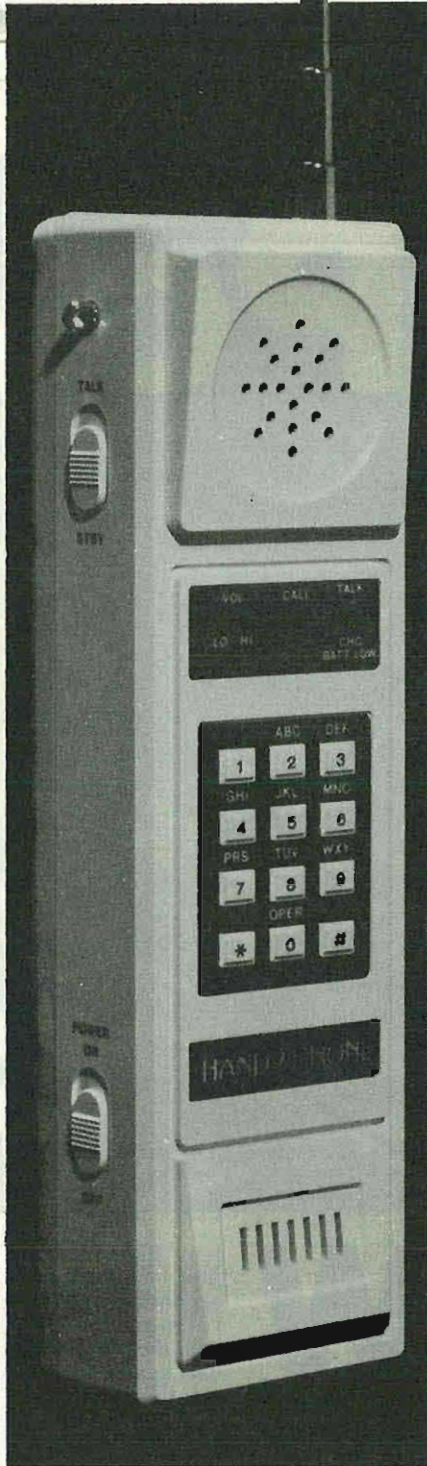


The demand for illegal cordless telephones does not appear to be dropping even though legal versions are now available. I should qualify that by saying that the demand for some illegal cordless telephones is not dropping. Sales of the very basic models have fallen, probably because people would rather use a legal mode, if one is available that has all of the facilities that the others have. The illegal telephones that are still selling well are the ones that have either more gadgets or a greater range than the current generation of legal ones. Cordless telephone users tend to be gadget freaks anyway, I know I am, that's usually why they bought one in the first place. They always justify their actions by explaining how important a cordless telephone is for their work or how it makes life so much easier around the house, but they really bought the thing because they like playing with toys. Therefore they are not too worried about the legality of their purchase so long as it has lots of lights, buttons and facilities and so far, the illegal ones have more of everything.

Another type of cordless telephone user is the one who is always looking for the greatest range. Ask him why and he will not know. He sometimes has this vague idea about using it as a car telephone while he is driving around, but somehow this never materialises. Claims of 25 miles and more have been made by some manufacturers but they can usually be discounted and besides, who really needs that sort of distance. The general consensus of opinion is that most people make most use of their cordless telephones around the house, using them as they were originally intended to be used; as a way of having an extension telephone in every room. Most of the basic units operate on 49 and 1.7Mhz and this gives them a reasonable range, sometimes as much as 700 feet. Some of the more sophisticated units operate on 49 and 70Mhz and by using external antennas these sets can cover several miles, but some cost in excess of £600. I recently came across a cordless telephone that can occasionally reach 700 yards and which will consistently cover 500 yards, which should be more than enough range for most people. It usually sells for more than £400 but I found an amateur radio shop who was selling them for much less, so I thought I should examine one.

HP-1001

The Handy Phone HP-1001 does not look much different to most others but in one respect it is unique, at least as far as I know. It operates on 49 and 35Mhz. The 49Mhz link from the handheld to the base is standard but the base link on 35Mhz is most unusual. I don't know why this frequency was chosen, maybe it's



because more and more radio amateurs are cutting in on people's conversations on the 70Mhz band and I don't blame them — it is an amateur allocation. How would you feel if cordless telephone users kept popping up on some of our hard fought for CB channels? The HP-1001 is the only cordless telephone that I have seen that uses 35Mhz and although it is still illegal to use this band, it is quiet. There seems to be no-one else there and it definitely is not one of the amateur's bands.

The base station half of the HP-1001 is narrower than most and its sides are almost real wood, which make it look attractive enough to sit underneath most people's telephones

without spoiling their decor. There are two small lights on the front panel, one to show that the power is on and one that lights whenever the line is in use. There is also a CALL button for paging the remote unit. At the rear of the top panel is the built-in telescopic antenna and the socket where the handheld plugs in for recharging. On the rear of the base unit there is the On/Off switch, a lead for the power, a lead for the telephone line, an external antenna socket, a switch that changes from internal to external antenna and the Lockout switch. This is turned to Off whenever the remote unit is not being used to prevent unauthorised use by other cordless telephone owners.

The remote unit has the usual calculator style keypad along with redial facility. There are two slider switches on the left-hand side of the case, one to turn the power on and off and one to switch from Standby to Talk. On the front panel, just above the keypad, there are two small LEDs, one to show that the unit is in the Talk mode and one that lights when the internal batteries need recharging. There is also a Call button for initiating paging calls and next to that there is a two position (Hi/Lo) volume control.

For distance freaks an external antenna is available which will increase the range dramatically. It is available from the same amateur radio dealer who is selling the sets for £199 each. Their address is: Thanet Electronics Ltd, Reculver Road, Beltinge, Nr Herne Bay, Kent. (Tel: 02273 63859).

I think that the Handy Phone HP-1001 is good value for money but I cannot condone the use of illegal equipment, even if it does work quite well.

CB

CORDLESS PHONE REVIEW DATA PANEL

Model Handy Phone HP-1001
Distributor Thanet Electronics
Typical Price £199

Features	Yes	No
Rechargeable Batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IN?USE Lamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Intercom Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Auto Redial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Privacy Button	<input checked="" type="checkbox"/>	<input type="checkbox"/>
External Antenna Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Security Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hand Free Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Range	<input type="checkbox"/>	<input type="checkbox"/>

FREQUENCIES

49Mhz
 35Mhz

Antenna Review



Citizens' Band's very own antenna aficionado, Brian W Wright, has been looking at the latest twig from Binatone, the Power Pole

Put Up A Power



Pole

When FM CB was first introduced, antennas that conformed to HO specifications were very scarce indeed.

This was partly due to the instant demand but mostly due to the lack of suitable types. Happily this is not the case now, more suitable types of American antennas have been found along with other imported units. Most of all it is good to see so many new British antennas around, many of which perform extremely well. All this choice can only be good news to the breaker who likes plenty to choose from or bad news to those of you who can't make up your mind. One of the rig manufacturers whose rigs were available from day one of UK FM was Binatone and this month we have tested an antenna from this manufacturer — The Binatone Power Pole 07/5515.

To our knowledge there are at least two Binatone antennas named Power Pole and there may be more, so the type number is important to avoid

confusion. As you would expect from a company like Binatone, this is a complete mobile antenna system not just a twig. The whole thing comes attractively shrink wrapped on a coloured cardboard backing. Instructions are included on the back of the cardboard packing.

After removing all of the parts from the package (which is no easy task, as it is well packed), the antenna has to be assembled. All of the items required to get you on channel are included, except the rig of course. This antenna is mag-based mounted and the magnetic base is included! The cable supplied has a PL259 plug on one end and a plug type fitting the other end. This fitting is inserted through a cable entry hole in the side of the mag-base and then through the central hole in the top. A nut is then tightened onto this fitting holding it firmly in the base and leaving the plug protruding, ready to go into the antenna coil. The above fixing nut has threads on the outside as well as inside, there are also two flats on which to use a spanner to avoid damage to the outer threads



when tightening. The only problem is that there is nothing similar on the plug fitting with which to hold it. The result is that the fitting rotates and winds the cable around it if care is not taken. The antenna loading coil has in its base a socket portion to receive the plug fitting and a thread which screws onto the thread on the outside of the retaining nut on the base, a plastic sealing washer fits between the two. Again there was a slight problem, the plug pin is not very securely held in its insulator, but fits tight in the socket. The result is, when the plug is entered and the coil screwed onto the thread, the pin rotates and could twist the central wire in the cable right off. In fact when later we tried to unscrew the antenna from the mag-mount this is exactly what happened. The whip is fibreglass or similar, with a copper core, a chrome fitting is pressed onto the bottom end which fits into the boss on the top of the loading coil and is held with a grub screw as usual.

Tuning

Although the instructions state that the antenna should be tuned when fitted, it is assumed that the breaker knows how to do this. We could not get the SWR better than 3:1 by adjusting the length by sliding it up and down in the coil. We didn't attempt to cut the whip as we felt this was not intended and not normally practical as there was a knob fitted to the top and the chrome ferrule on the bottom, which would have to be refitted. Indications were that the antenna was too short anyway.

On test the Binatone Power Pole 07/5515 performed reasonably well considering that the whip is under one metre long. This short whip length was noticeable in the way that the signals fluctuated rather more than usual when the test vehicle was passing obstructions. We did actually lose contact several times at the limits of our test route, something that we don't usually do with the larger or more efficient antennas. The instructions do advise removing the antenna before encountering high winds or travelling at high speeds, but we found the mag-mount quite good and tried it at 70 mph into a headwind over 35 mph with no problems.

In conclusion, we feel that this is a useful little antenna, it is not going to set the airwaves alight, but does its job quite well. Once assembled correctly it should have a good service life. It certainly is good to see an antenna supplied with cable, plugs and mounting base (a mag-mount no less), unlike many antennas where only the coil and whip are supplied. The Power Pole could be very useful to the new breaker as he or she would have everything required in one package with no soldering. The only problem could be the high SWR, but we may have had a bad sample.

A comparable antenna for performance would be the larger 1.5 metre Copperstik although this has no cable or mounting base.

CB

ANTENNA REVIEW DATA PANEL

SPECIFICATIONS

Model Binatone Power Pole 07/5515

Type Base loaded mobile

Length Coil .13M whip .94 metres

Frequency Range 27 MHz

Max Power Handling

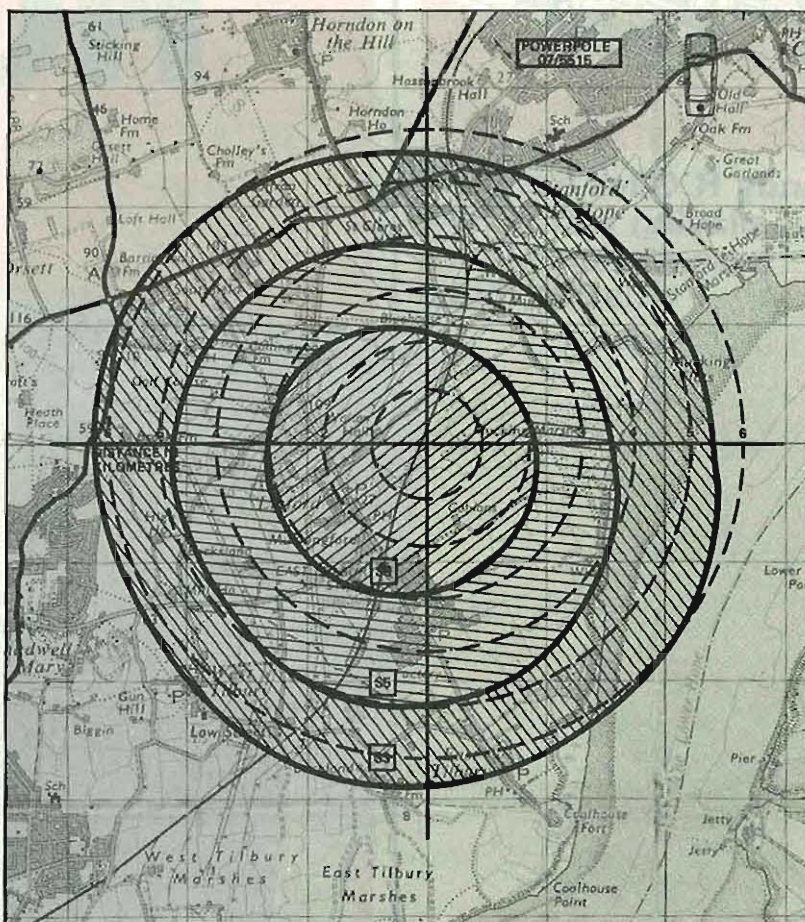
Impedance 50 ohm

Cable Supplied Yes (with plug)

Mounting Details Magmount (supplied)

Supplier Binatone Ltd

Typical Price: TBA



REVIEW VERDICT

Performance XXX
SWR Adjustment XX
Construction XXX

Installation XXXX
Instructions XXX
Value

We rate our samples on a scale of one to five. Five stars is the highest rating, three and four stars are average to good and one and two stars mean it's not doing so well.

The Tests

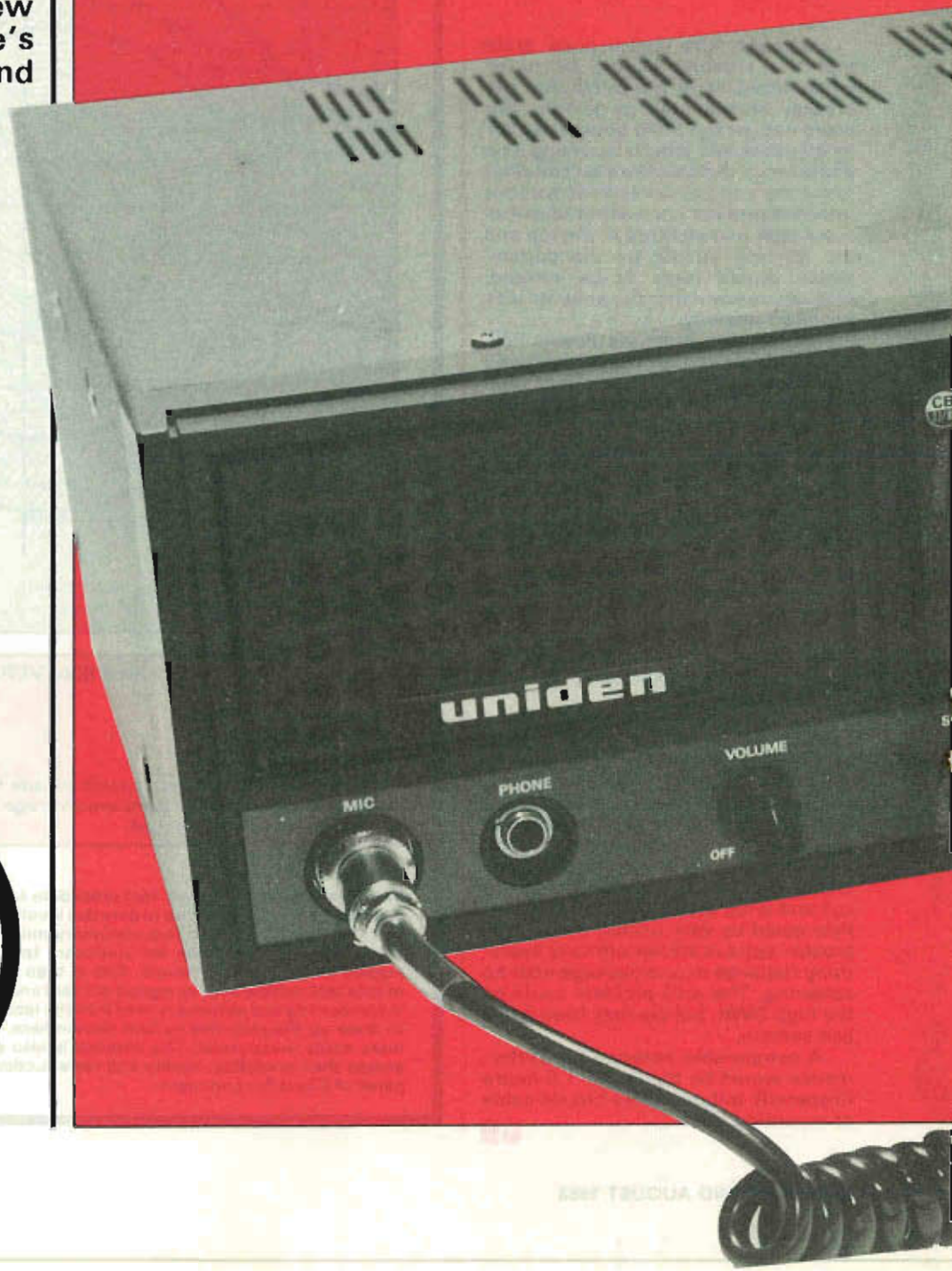
We have used our standard test procedure to assess the efficiency of this antenna. Just to bring new readers up to date this involves two tests; one static and one mobile. Our test sample is fitted to a stationary mobile and a second mobile follows a pre-arranged route that orbits the stationary test vehicle, sending and receiving signal reports at measured intervals. This is then repeated with the test antenna on the mobile test vehicle and the signals are sent and received between a stationary vehicle. A standard rig and antenna is used in all the tests. With the results obtained we are able to draw up the radiation pattern shown here. This is simplified to make the results more easily understood. The antenna is also subjected to a series of 'lab' tests to assess their durability, quality and construction, etc and finally we hand it over to a panel of CBers for comment.

Rig Review

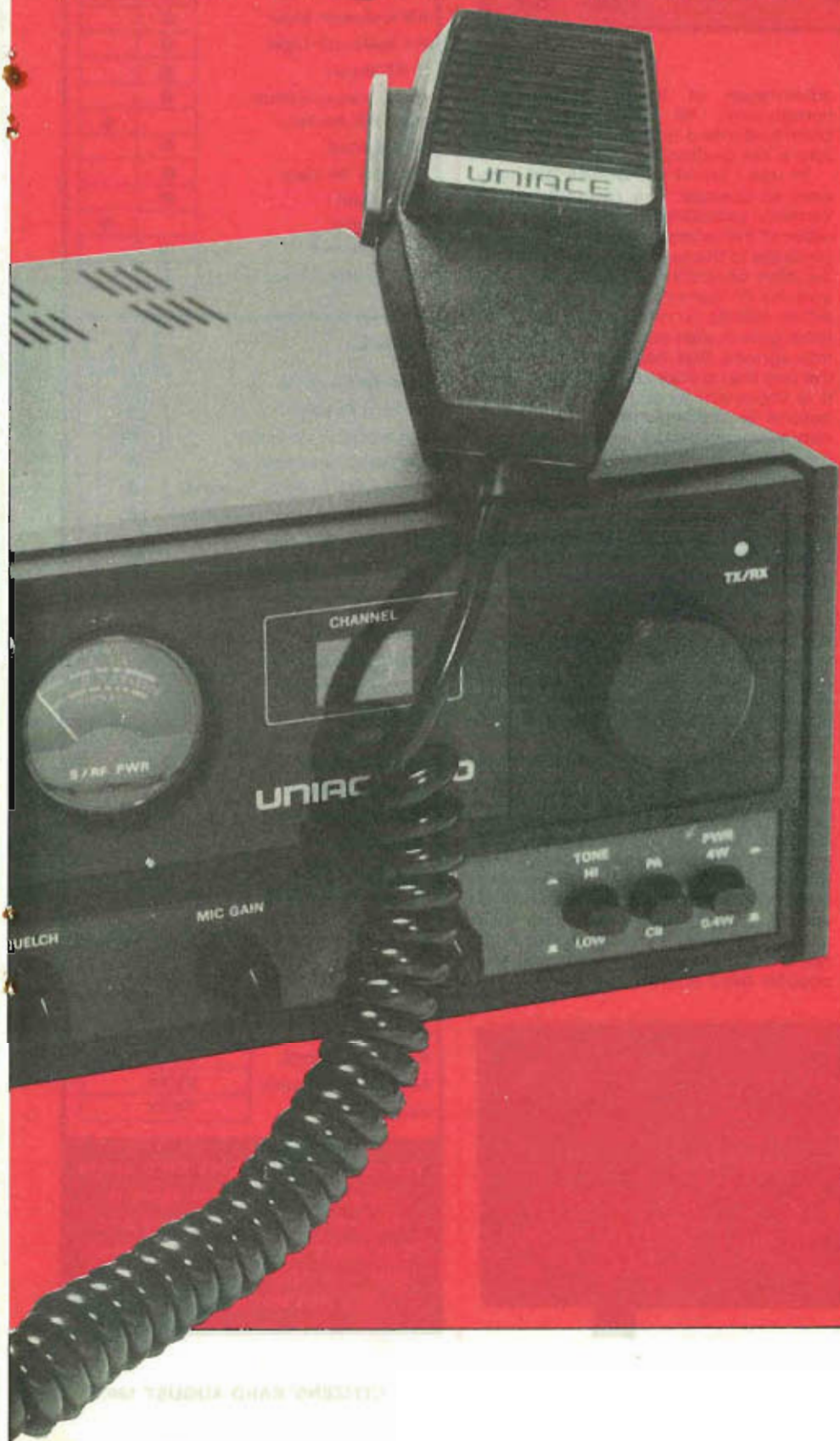


Andy R Giles has been playing with a new base station. Here's what he found

THE UNI — A BIG HOME



ACE 300 BASE AT

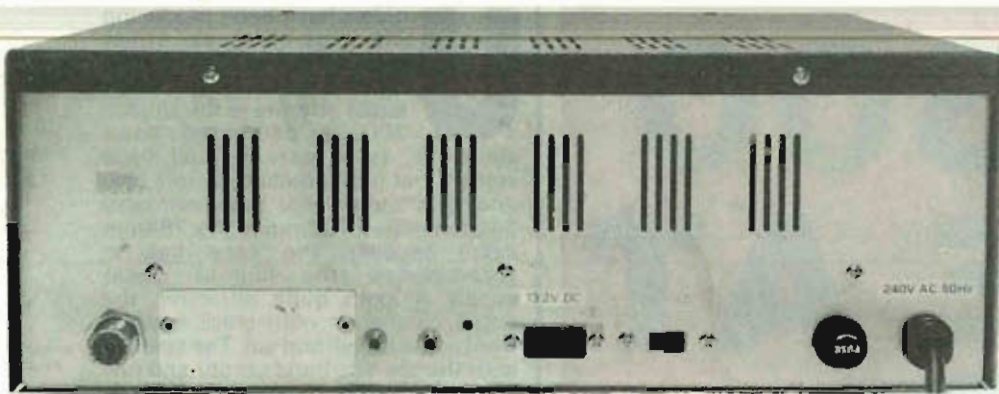


Uniden have been producing CB rigs almost since legalisation and they now have quite a range. Their latest offering is the Uniace 300, a dedicated base station. It is a purpose built base station, not just a mobile rig in a box, and it is quite large (approximately 340mm wide x 120mm high x 284mm deep) because the case has to accommodate the built-in power supply. It looks quite attractive, the entire cabinet is matt black and the front panel is well laid out. The speaker is in the top left-hand corner and just below it is the microphone socket. Immediately next to that is a standard jack plug socket for headphones and then spread along the bottom of the panel there are four rotary controls. These are for Volume, Squelch, Mic Gain and RF Gain and they all have flattened sides to make them easier to grip. In the bottom right-hand corner there are three oval pushbuttons. These all operate latching switches, one for audio tone (Hi-Lo), one that activates the P.A. facility and one that activates the 10dB attenuator that reduces the output power from 4W to 0.4W, as required by your licensing conditions if your antenna is mounted more than 7 metres above the ground. The rotary channel selector control is mounted just above the pushbuttons and it has a very nice feel to it — the click stops are not harsh. There's a sort of muffled clunk instead of a sharp click when the knob is turned.

The red l.e.d. channel display, which is to the left of the channel selector, is surprisingly small for a base station. It's about the same size as the ones used on most mobiles but when mains power is being used, it is usual to forget about the amount of current that the leds draw and to use a bigger display. Despite its size, it is still easy to read in all but the brightest sunlight, so there shouldn't be much of a problem in this country.

The worst feature of this rig is the illuminated Signal Strength/RF Power meter. It's in the middle of the front panel and it is a reasonable size but I think that it looks a bit old fashioned. Round meters always make me think of the ammeters and voltmeters that used to be a feature of the dashboards on some of my earlier cars. This one is probably as easy to read as the more usual rectangular type and it is clearly marked with very bright green and red paint or ink or whatever it is that they use, but I still don't like it.

Another minor point that I do not like is the PA facility. Admittedly, shouting at pedestrians through a speaker hidden under the bonnet of your car can be a fun way of using a CB rig's PA even if it is not entirely legal, but who are you going to shout at indoors? I can't think of a reason why anyone would want a PA on a base station. The manufacturers would probably say that it could be useful to anyone who wants a Public Address system to use in a small hall but this one really is not good enough for that.



There are several small and cheap PA amplifiers around that can do the job much better so do not buy this rig if you only want to use it to make sure that everyone in the back row of the church hall can hear you.

The rear panel of the cabinet has a standard SO 239 antenna socket, two 3.5mm jack sockets (one for the P.A. speaker and one for an extension speaker), a non-reversible 13.2V dc socket so that an external power supply can be used, an ac/dc change-over switch, a fuseholder and the integral mains lead. The mains lead is fed into the case through a substantial grommet and it seems secure but I would have preferred a detachable mains lead. I like the idea of being able to replace the entire lead without having to delve inside the rig. The extension speaker socket is useful and even though the built-in speaker is a reasonable size, an external one will improve the audio quality considerably.

Inside

Although this is not intended to be a technical review, I couldn't resist taking the lid off and having a look inside. The quality of construction is impressive and there is plenty of room inside the cabinet. Had Uniden wanted to, they could probably have made this model a lot smaller but the way that it is now laid out means that servicing should be very easy. The main board takes up about a third of the available space and the chunky transformer and the voltage regulation board are like islands surrounded by a sea of blank metal chassis. This is one of the

advantages of base stations, the components do not have to be crammed into a tiny box that has to fit into a car dashboard.

In use I found the Uniace 300 very easy to operate. The controls are all sensibly positioned and the flattened sides of the rotary controls make them pleasant to the touch. The Volume and Squelch controls both work normally and the RF Gain control is very useful when talking to nearby stations. The mike gain is also useful when using a microphone that has more gain than the one that is supplied with the rig but it is important to make sure that this control is not accidentally left in the minimum position. If this does happen, there will be no audio on your transmission and you will be transmitting just a blank carrier, which is most annoying for other users. There are enough loonies around who try to spoil CB with blank carriers without any more people doing it accidentally. The tone button had a marked effect on received audio but which position is the best one is a subjective choice that will vary from user to user. Both the PA/CB and Attenuator switches worked as they should and my overall operating impressions were that this is a very nice rig.

The market for CB equipment is long past its peak and I would not like to be a manufacturer of CB equipment just now. A lot of the big names who launched their CB rigs accompanied by a fanfare of publicity have now quietly withdrawn from the scene, so it is nice to see that Uniden, one of the originals, is still producing attractive and well made CB rigs. The Uniace 300 should not take too long to establish itself as a popular base station.



RIG REVIEW DATA PANEL

Model Uniace 300 Home Base
Distributor Cravenminster Ltd
Typical Price £129.95

Features	Yes	No
PA Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>
External Speaker Jack	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TX Indicator Light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
RX Indicator Light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PA Indicator Light	<input checked="" type="checkbox"/>	<input type="checkbox"/>
S/RF Meter	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hi/Lo Power Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ANL/NB Switch	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CH9 Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Variable RF Gain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mike Gain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Delta Tune	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tone Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LED Channel Readout	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Facilities	Superb	Good	Fair	Poor
Ease Of Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Built In Speaker	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microphone Location	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cabinet Construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality Of Control Switches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel Indicator Readability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mounting Bracket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hand Book/Instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specifications	
Modes Of Operation	FM only
No. Of Channels	40
Weight	—
Dimensions	340x120x284mm
Supply Voltage	250/230 AC
RF Output Power	—
Frequency Stability	Good
Swamping	Good
Sensitivity (RX)	Good
Spurious Emissions	In spec

CB VERDICT

Range	XXXX
Clarity of TX	XXXX
Clarity of RX	XXXX
Ease Of Controls	XXXX
Ease Of Installation	XXXX
Performance	XXXX

We rate our samples on a scale of one to five. Five stars is the highest rating, three and four stars are good to average and one and two stars mean it's not doing so well.

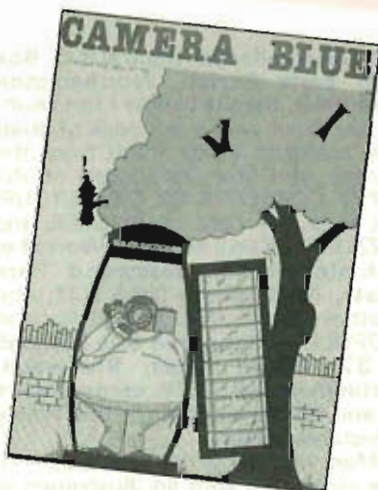


COMMUNICATION THE

QSL

WAY

More news from the national and international airwaves as we range from Bournemouth, through to Benidorm, and Bochum (W. Germany).



Hello again, and welcome to another Communication the QSL way — your own QSL news and views column. Thank you for all your cards and letters, we will always try and include as many as possible. Before we dive into the postbag must just send some thanks, first is to all the great Breakers in the Bournemouth and Poole area, just returned from a welcome holiday in those parts, and was very pleasantly surprised at the way CB is used down there. Made some good copies — 22 miles on a Harvard hand-held with a rubber duck from the foreshore at Studland Bay out to the Needles Lighthouse on the Isle of Wight where Lighthouse keeper JACK OF DIAMONDS is up on Channel 34 most nights on a great network with IVANHOE in Milford usually in the chair. Also copied two readers of our column RUBIKS CUBE and MIDNIGHT COWBOY who were down there on holiday from the Forest of Dean. Nice to talk to you all, and thanks for making me most welcome.

A few months ago I mentioned a young lady called PORK CHOP, who I asked for fellow QSLers to drop a few cards and letter to as PORK CHOP — Wendy, was mentally sub-normal but was making great strides with the help of outsiders. I am pleased to tell you all that not only did she receive a flood of cards, badges, flags and bits and pieces but I was visited the other evening by her father CAMERA BLUE — Mike Mannoch and was very honoured to meet the gorgeous young lady in person. Not only that but they brought me a Midland Rig as a Donation towards the ALSAGER AND DISTRICT REACT appeal for rigs for the Blind, and as promised I have forwarded this on. What wonderful people, if you would like to drop dear Wendy a QSL or small gift her address is 59, Alexandra Drive, London, SE19 1AN.

Sorry to say I goofed in the June Issue, I mentioned the METRO CITY QSL CLUB run by NIGHT ANGEL —

Jackie but I forget to include her address. This is a free club, membership is just five or more of your signed and dated QSL cards. The address is 95, Greenoak Crescent, Stirchley, Birmingham B30 2DD — and don't forget to include a stamped addressed envelope. Those of you who sent letters for forwarding — they are on their way to Jackie — sorry about that. I am always ready to warn fellow QSLers about any problems within the QSL world, and a few months ago I mentioned the number of QSLers who had sent money to THE SWAGMAN QSL CLUB in Australia, run by Garry Morosoff. I was pleased to hear from our QSL friend Paul Jukes of 100, Dudley Road, Tipton, West Midlands who had contact Australia House in London in an effort to get his hard-earned money returned after writing to Mr Morosoff for months without a reply. Let Paul continue '... A quick note to put you right regarding the SWAGMAN QSL CLUB. Had a letter from the Victoria Police and another from Garry Morosoff. Apparently Garry purchased a computer to log all SWAGMAN members old and new, including all new applicants, and the gizmo broke down. Whilst it was under repair, there was a break in and it got nicked — so Garry did not know who was in the club and who not. Anyway to cut a long story short what with the gizmo going (Cost 35,000 Australian dollars) and T Shirts etc., Garry has closed down and you can get refunds by writing to him at P.O. Box 43, Buleen, Victoria 3105, Australia — I got my fifteen quid back — keep up the good work — Paul RED RIDER.' Thanks Paul, I would be pleased to hear from anyone else who has this sort of problem with a club, we may not be able to get your money refunded but we can warn others.

Nice to hear again from Martin, Secretary of the WHISKEY DELTA CHARLIE INTERNATIONAL DX CLUB of P.O. Box 54, Wakefield, West Yorks WF2 8UT updating us on the latest from the club. They currently

have members in over 50 countries. The WDC has four different QSL cards, including specials for the Scottish region, and their Italian section. A beautiful four-colour embroidered badge is available to members, and no less than 18 different DX Certificates are provided by the club. Also available are car window stickers, log books, pens, key rings, calendars and — wait for it — a FREE DX information handout to anyone requesting membership details and sending a SAE to Martin. A really great well-run club, we will try to feature them in a forthcoming issue. Down to the nitty gritty now, first out of the bag is from Colette Williams of CB37; P.O. Box 10 Salisbury, Wilts SP2 9JL. She welcomes all QSLs and asks if we have record of the COBRA INTERNATIONAL DX CLUB, well we have of course, their address is P.O. Box 10, Skegness,

Yorks, lots of good Sheffield tourist information and some good QSLs, well worth a swap. Had a nice letter and QSL from Tom Buckle of P.O. Box 133, Benidorm, Spain. Tom is English and lives and works over there, so if any of you are going over to Benidorm on holiday drop Tom a line and he promised some real English hospitality and a go on his sideband rig, and as he lives at the top of a sixteen storey block of apartments with his antenna on the roof you can imagine the DX advantage. Tom entertains in the BEES KNEES Pub in Callelas Terraza, so look him up.

From Shaughn McGurk alias ANIMAL of The Brook, Mill Lane, Frittenden, Kent comes one of his super new QSLs, very cleverly drawn by ANIMAL himself, the result of which is very professional — Shaughn promised 100 per cent return, and

stupid threats — incidentally I filed your one in the same place. David did take time out however to tell us the club is going extremely well with membership nearing the magic 1000 figure. If you would like to join David's great FREE club send 5 signed and dated QSL cards, and a SAE. From up there in Scotland comes some nice QSLs from the D. Currie Printers Stable, these ones from SQUEEZE-BOX alias Alex Black of 25, Warmansie Road, Brydekirk, Annan, Dumfriesshire DG12 5ND, a must for the D Currie collectors.

Now my fellow QSLers it's time for you to get your pens out and do something for me. Just heard of two young disabled breakers and I know they would love some QSLs to show that we care — they are RED SAUCE aged 12 disabled and his Brother MIGHTY MOUSE who is Dyslexic and



Lincolnshire, and if you are interested there is also a COBRA OPERATORS CLUB at 21 Gorwell Road, Barnstaple, Devon EX32 7HR. A short note from Brian Lucock of 15, Mayfield Road, Newquay, Cornwall TR7 2DG, Brian QSLs 100% and when we last gave him a mention he received over 150 replies, but alas many of you forgot to include your addresses, so Brian cannot reply. Any further cards to Brian will be answered. Nice QSL in from a complete CB Family — Bob Parker SALVAGE ONE, his wife RUSTY, son Robert-THE HUSTLER and Dad is BOSS HOG, they all QSL from 1, Cemetery Road, Hatfield, Doncaster DN7 6LT, so any QSL will be well rewarded! A good QSL pack in from Roland Rodgeron of 14, Nunnery Terrace, Wybourn, Sheffield, South

says he has no trouble getting between 10 to 50 miles copies, legal FM on his BINATONE rig most mornings.

Heard again from our old friend David Shepherdson President of THE DRAGONRIDER QSL CLUB of 3, Tarn Villas, Cowpasture Road, Ilkley, LS29 8RH, West Yorkshire. David had received one of those pathetic chain letters that promises doom and destruction if you did not send on 20 copies etc., but you would become a millionaire if you did etc. By coincidence I received the same circular with a Bournemouth and Poole postmark, so if the Wally who sends this trash out is reading this, you are wasting your time and money old friend, I have filed it in the rubbish bin, and you will have to wait until next month to see if I survive your letters

your QSLs will reach them at P.O. Box 122, Earls Barton, Northampton NN6 0ND, thanks I know I can count on you. Next was a big pack of great new coloured cards fresh from the presses of Chris Darlington of the HAPPY COBBLERS DX QSL GROUP, first was the card of ANGLER and PUZZLER — Ken and Heide Worrall of 5 Kinlet Road, Bestwood Park Estate, Nottingham NG5 5JT, and another from WATERFROG and TADPOLE — John and Sue Mitchell of 37, Girton Road, Sherwood, Nottingham NG5 1FY, card numbers 58 and 63 respectively in this highly collectable series.

Most intriguing the next QSL — a nice large card with an illustration of an oil rig from SAILOR and SAILOR'S GIRL of P.O. Box, 3, Felixstowe, Suffolk and they say they live in an

Independent State 8 miles off the coast of Felixstowe in the North Sea, actually looking again they must live on one of those wartime fortresses built out there, great for fishing but not much fun for the milkman — do drop me a line if you manage to get an answer from them, that really must take first prize for the most unusual QTH. Some personalised QSLs from Terry and Lin of 219 Grove Lane, Handsworth, Birmingham B21 2HD, members of quite a few clubs too, including Dayglo, Zulu Whiskey, and British Concorde International. From up there in the SHETLAND ISLANDS comes a QSL package including Beer Mats, and some very attractive personalised QSL cards from SPINNAKER — Martin Jamieson of Norwood, Scalloway, Shetland, so there's another unusual one for you all.

Must just squeeze a few more in before the new clubs review, some MUSHY PEA QSLs in from FROSTY KNIGHT — Graham Hicks of 63 Pedna-Carne, Higher Fraddon, St. Columb, Cornwall TR9 6LF really nice a must for the theme collectors, and from 'over the pond' a thick pack in from Bill Grouchowski of 216, 8th Avenue South, Clinton, Iowa 52732, U.S.A., a smashing pack with lots of goodies, nicely done Bill.

Lots of new clubs this month, a nice membership pack in from the RED CHIEF QSL CLUB of P.O. Box 602, Longridge, Ribbles Valley, Lancashire PR3 3HX — membership is £2, lots of cards, pens, key fobs, stickers, drop them a SAE for full details. The SEA DRAGON DX QSL CLUB a FREE club of P.O. Box 2, Sheeringham, Norfolk NR26 8TY membership just five or more of your own QSLs plus a SAE is next, and yet another FREE club the

DURHAM CITY QSL SWAP CLUB run by Andrew from 6 High Croft, M-Moor, Spennymoor, Co. Durham, membership is the usual 5 QSLs plus a SAE. A sideband orientated club RADIO INTERNATIONAL afresh from 70W2608 — P.O. Box 47, New Malden, Surrey, membership is just £1 for a DX pack — club frequency is 27.485 Mhz — 47USB. Last we've got room for this month is the SUNDOWNERS SWAP CLUB of 141, Ashbourne Croft, Leeds LS10 2TZ membership £1, oh alright just one more — the CB BRIDGETOWN SWAP CLUB run by WELSH WIZARD of 64, Tickton Grove, Cottingham Road, Hull, North Humberside HU6 8NJ a SAE will bring full details.

I am very sorry for all those of you who have not been included we do try our best to squeeze in as many as possible. If you haven't been lucky this time try again, you just might make it! In closing may I ask you all to spare a thought for all our dedicated Emergency Monitors out there and



keep Channel 09 free just for Emergencies, you might need their help yourself one day. Until next month take care — we care.

MIKE NEWBOLD
THE MEDICMAN

If you would like a mention send your QSLs direct to THE MEDICMAN 124, Hillcross Avenue, Morden, Surrey SM4 4EG

QSL CLUB OF THE MONTH

For us to stray far from our own shores and review an overseas club it has to be good, and this one is no exception. BALL OF LIGHTNING QSL SWAP CLUB

P.O. Box 600122,
4030 BOCHUM 6,
West Germany.

We recently had the pleasure of inspecting a sample membership package and for a membership fee of £8.00 you will receive:

- 1 A multi-coloured Membership certificate
- 2 An I.D. card
- 3 Your own unit number
- 4 A fully mounted club rubber stamp 2" x 1 1/2"
- 5 An embroidered club patch in four colours — superb
- 6 A postcard from Bochum
- 7 Other members QSL cards
- 8 A list of other members for contact
- 9 Some information about the club
- 10 Membership invitations for other good clubs.

The BALL OF LIGHTNING representative in the United Kingdom is Dave Sheppard of 6, Terrell Gardens, Redfield, Bristol BS5 9NY, who will supply membership application forms upon receipt of a stamped addressed envelope.



Citizens' Band Magazine List of New QSL Contacts

JOHAN LE ROUX 3ZA 161 30 North Street, 6885 Ladismith C.P., South Africa.

KEN STILLIMAN

10, Blythorpe, O.P.E., Hull North Humberside HU6 9HG

ROBERT DAWSON
Pony Express

7, Bold Street, Altrincham, Cheshire WA14 2ER

PAT LAWRENCE
Bright Eyes

10, Channel Heights, Bleadon Weston Super Mare, Avon BS24 9LX

BOB ELAM *Yellow Jack*

Box 5, 22 High Street, Keighley, West Yorkshire BD22 2AA

MAURICE BARNES *Jaguar*

11, Lomond Close, Lambton, Washington, Tyne & Wear NE38 0PH

BETTY MILLER
Coffee Maker

217, East Grand Avenue, Tower City, PA 17980, U.S.A.

VINCE DICKENS *Barracuda*

15, Clevedon Road, Chadderton, Oldham, OL9 0AH Lancashire

JOHN EARDLEY
Razzle Dazzle

Sunnyside, Astley Lane, Hadnall, Shrewsbury, Shropshire SY4 4BJ

JOHN BURROWS
Juliet Bravo

P.O. Box 603, Sutton Coldfield West Midlands B75 7LE

DOUGLAS O'BANION
Pop Bottle

Box 2594, Kansas City, Mo 64142, U.S.A.

MARK WILLIAMS *Morph*

6, Hermitage Way, Kenilworth, Warwickshire CV8 2DW

DENNIS TINSLEY
Iron Horse

122, Broughton Road, Crewe, Cheshire CW1 4NS

JONATHAN *FC 063*

P.O. Box 51, Stockton On Tees, Cleveland TS20 1SW

SEPTEMBER

ISSUE WILL BE ON SALE

FRIDAY

19

AUGUST

NEXT MONTH

The articles mentioned are in an advanced state of preparation but circumstances may affect the final contents

OK so September usually signals the end of summer as we know it, still there's bound to be at least one ray of sunshine around in the shape of next month's mag — so make sure you get it.

And we've got plenty of goodies to brighten up your day, take Chris Peterson's review of the Cybernet 3000 Professional. Chris reaches the parts of this rig that only 99 percent of all household lagers can usually reach. Meanwhile, Andy Giles takes a peep behind the grill of the Securicor operation to reveal an incredible radio system designed to keep the villains out, and the guards in touch.

Andy Giles pops up again, this time keeping tabs on a Daiwa Selcall, there's really no escaping from this unit. Also cocked and ready to go is Brian W. Wright with his review on the Silver Arrow antenna, a sure fire home unit. Away from the receiving end, Brian settles down to chat about some new microphones.

You can also expect the usual intellectualising from Mike the Hack,

but there'll be plenty of time to give your brain a rest with the latest Twong cartoon. Mike Newbold continues to be swamped with QSL correspondence, so September's feature is scheduled to be bigger and better than ever.

Your favourite agony aunt, Smart Alec will be on hand as ever to answer all those queries which smart alec readers spend all night thinking up. Still you get the chance to answer back on the Back Chat page. Add to all this the Club News and usual fab competition, and you've got everything you could ever wish for in a CB mag.

answering a number of questions about the rig itself.

We've decided to make you work for your prize this month, so you'll need to use the old brain box to stand a chance of winning. Actually it's not that difficult really, but it will need careful scanning of the mag. So away you go.

First off, can you give us the dimensions (i.e. size) of the rig in millimetres. Secondly, how many sockets are there are the rear of the cabinet? Thirdly, the unit has an attenuator which reduces power from 4W to what? (geddit).

Answers please on a postcard with your name and address to reach us no later than August 19. The lucky winner will be picked out of the pile at random, but we are also giving away patches to five runners up. So get reading and writing. The usual competition rules apply but if you've forgotten they appear at the bottom of the page.

Don't forget the rules.
No employees of ASP are allowed to enter. All entries must reach us by second post Friday 19th August. The Editor's decision is final. Don't forget your name and address. Entries to Uniace Competition, Citizens' Band, ASP Ltd, 145 Charing Cross Road, London WC2H 0EE.

COMPETITION

This month's great giveaway comes courtesy of Cravenminster Ltd and features their Uniace 300 Home Base. This handsome base station, worth around £130, can be yours by

Uniace 300



Mack Chat

934 EXCLUSIVE! For a brief time early in June, Mack the Hack actually got hold of a 934 Mhz rig to play with.

Miracles do happen. At last I managed to get my hands on some 934 Mhz equipment. It was all thanks to 934 Communications, the Eltham based company, who are the South of England's agents for Reftec 934 equipment but will also be stocking other manufacturer's 934 goods when it becomes available. My hour long telephone conversation with Colin Webb, an executive of the company, led to a visit one Saturday afternoon of the company's premises at 64 Footscray Road, Eltham, and was rewarded with a demonstration by Tony Lane of a 934 rig that was on a working display unit.

The first thing I learnt was that 934 is a very quiet band, for during the hour spent in the shop only twice did the rig show any sign of life. A back of the box copy between two stations whom I was assured were in the Southend Essex 20. Another voice was heard to call 'Copy copy John'. So I picked up the mike and called 'come back that station' but there was no answer. 'That's one of the business users of the frequency' I was informed, and it was explained that there was a gentleman's agreement that channel 1 to 10 was used by the local companies such as mini cabs that have purchased 934 as a cheap PMR system. The remaining 10 channels are for 'fun' use. Quite a reasonable arrangement I thought.

I left 934 Communications impressed and feeling jealous that I was not the owner of a 934 CB rig, but I was promised by Tony that he would try and arrange for the loan of some equipment for me in the near future. This loan transpired sooner than expected, for on the Monday evening a landline from Tony who told me that a 934 rig and accessories were waiting for my collection. Within minutes I was in my mobile accompanied by 'Wobbly' Wayne (Cockney rebel) who just happened to have been intending to pay me a visit as I flew out the door of my home. Arriving at 934 Communications premises Tony was waiting for me with the goodies that comprised a rig, magmount antenna, home base 'Professional' colinear antenna, and coax with suitable plugs attached. Within minutes the equipment was installed in my mobile, magmount on the roof, rig on Wayne's lap and power supplied via the lighter socket. A quick test from Tony to make sure that all was working well and off we went homewards. Tony said he would stay at his work's 20 for a while and waffle until we were out of range. 14½ miles later, sitting outside my home we were still receiving and giving an S.3. Signal. We wished Tony goodnight.

Word had spread that I was now in possession of 934 and Dennis (FM Den) appeared on the scene ready and willing to aid in the installation of a home base antenna.



This did not take long, as all it meant was removing an existing antenna from its pole mounted on the side of my house and replacing it with the 934 one. So around 11.30pm Wayne, Dennis, and myself sat around the Reftec rig flicking through the channels, listening to the mush with the squelch full off, but no voices were heard. Around midnight the others went home but I continued to listen and put out the occasional call for another hour before finally switching off. I was like a kid with a new toy. The Tuesday seemed like the longest day, even though I finished earlier than usual so I could spend the evening listening and hopefully conversing on the 934 box. For over an hour I sat with my ear glued to the rig and occasionally calling for other stations.

It had been suggested by Tony that most users of 934 use some initials of one's name and the last three of the rig's serial number so I was known as Mike Alpha Lima 221. At this time I did not know what was, but assumed that 14 could be the calling channel, so I would call on this channel, listen, call again and then flick slowly around the other 19 channels. Doubt began to surface in my mind whether the home base antenna system had been constructed correctly. I knew the rig and mobile antenna worked so these doubts grew stronger whilst flicking through the channels and hearing just the hiss of the static until around 8pm on channel 18 I found live talking people. I listened and in my excitement suddenly got mike shy. Plucking up courage during a pause in the conversation I called 'break break', the frequency went dead for a few moments as maybe the other stations were surprised as I to hear another voice. I was invited to go ahead. I gave my call, personal, and location. I had on the other end, Brian, BH1 in Weybridge, Surrey 27 miles away as the RF flies. Although he did not light any of the LEDs of the meter his signal was around S2, noisy but I could still understand him clearly (I can't copy Weybridge on 27 FM legally).

He has had his Reftec since Xmas and worked 26 other stations in that time although it was in February that he made his first contact. His antenna was a 4 element beam. The other station was Bob BB1 in Wandsworth who has been on 934 for two months with 10 contacts to his credit. Running the Pro colinear and being much nearer, his signal was better but still no lights showed on the meter. After a ratchet for some time the other stations went off the air but I still continued to monitor the frequency. During the evening I had many visitors who popped in to eyeball the 934 equipment, only Dennis (FM Den) was witness to my first contacts, and the others were a bit disappointed not to hear any other stations. Around midnight I finally switched off with no other contacts.

CB

GET A GOOD COPY—

CITIZENS' BAND

SUBSCRIPTION ORDER FORM



Cut out and SEND TO: Citizens' Band,
513, LONDON ROAD, THORNTON HEATH,
SURREY, ENGLAND

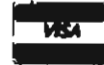
Please commence my personal subscription to Citizens' Band with the issue.

SUBSCRIPTION RATES

(tick as appropriate)

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- FEBRUARY 82/83
- MARCH 81/82/83
- APRIL 81/82/83
- MAY 81/82/83
- JUNE 81/82/83
- JULY 81/82/83
- AUGUST 81/82
- SEPTEMBER 82
- OCTOBER 81/82
- NOVEMBER 80/81/82
- DECEMBER 81/82

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These models are not available as yet.

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President Zakarty T AM 80 and UK/FM.....	£100
President Grant AM, SSB, and UK/FM.....	£150.00
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Tristar 777 AM, SSB, FM.....	£89.00
Lafayette 1200 AM, SSB, FM.....	£85.00

Many others available. We have a massive range of aerials and accessories etc.

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OR UNI-CREDIT NUMBERS

CB RADIO AND MODEL HOBBIES
Parndon Mill, Elizabeth Way,
Harlow, Essex.
Tel: (0279) 418817

We are members of CIBTA and MHTS

From the number of letters and phone calls we are receiving about our product it appears that some breakers are unable to purchase genuine G.A.P. antennas from their local shops.

We have recently started supplying our products direct to the public and this is proving to be very successful.

If you have any difficulty in obtaining our products you can order them direct from the factory, at the following prices:

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G.A.P. 27MHZ 1/2 wave.....	£14.95
G.A.P. 27Mhz 5/8 wave.....	£16.95
Gamma SupaMag.....	£7.50
G.A.P. Avenger.....	£19.95
G.A.P. Lofty.....	£19.95
G.A.P. RingoPlane.....	£T.B.A.

These prices include V.A.T. Please add £1.15 for postage and packing. All cheques and postal orders should be crossed and made payable to:

Gamma Aerial Products Ltd.

Gamma Aerial Products

MANUFACTURERS OF AMATEUR RADIO & CB ANTENNAS
LYE, WEST MIDLANDS
TRADE ENQUIRIES TEL. LYE 891132

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The Advertising Standards Authority. 
If an advertisement is wrong, we're here to put it right.

A.S.A. Ltd., Brook House, Torrington Place, London WC1E 7HN.

Please mention

CB
Citizens' Band

**when replying
to all
Adverts**

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Charity Collection

Mr. I. Fullerton of Swindon has come up with the idea of compiling the biggest Eyeball Card collection in the country which he eventually intends to auction for charity. If you would like to help and have any spare cards then they will be gratefully received. He has already involved the local radio station and evening papers to assure local breakers that the appeal is genuine. You can send your cards to Mr. Fullerton at 150 Manchester Road, Swindon, Wilts.

Junior Help

Still with the youngsters, K. Regenstein of London E14 has informed us of a help organisation for youngsters... The Junior Crest Comm is a CB emergency service for children aged six and over who are interested to learn more about CB and also how to use it to help others. The children are trained by qualified personnel in the proper use of CB and all operating procedures as well as radio maintenance and building your own CB. Membership fee is 25 pence per month, and there is a registration fee of 50 pence. Anyone interested in joining can contact Mr. Regenstein at 89 Dagmar Court, Manchester Road, London E14 9JG.

Puzzled Ham

An interesting letter has arrived from R. M. Datchin of Bedford, who is a radio ham with a developing interest in CB... I am a licenced radio amateur who has become interested in CB purely for communication purposes. I have a few CB friends but, as yet, I have no equipment of my own. In this area practically every CB aerial I see is illegal and wonder why this situation is allowed. As a radio amateur I am used to rules and regulations, and intend, when I take up CB to follow the rules implicitly. I would like to see the illegal AM and SSB stations suppressed as the TVI we are experiencing at present is mostly AM derived. Having used two meter FM with 1½ watts output, I can assure illegal CBers that it gets out well. Best of luck with your magazine. I have learned a lot from it already.

Better Image

A gentleman aptly titled *The Scribe*, of Pinner in Middlesex, wants to help in improving the image of CBers... Almost every comment about CB that appears in the popular press is 'bad news'. Breakers know that this is unfair as the trouble is due to only a handful of wallies. I would like to mount a campaign to get some good publicity for CB and CBers. As a journalist I might be in a position to do this. What I would like therefore is information from Breakers. I would like to hear from all types of Breakers and to know of any interesting things that they have done with their rigs and what CB means to them. I would



particularly like to hear from housewives who use their rigs to keep in touch with friends and to relieve the boredom of nappy changing and dish washing. I am also interested in lady Breakers who run monitoring and drivers help services. If possible I would like a good clear picture of the Breaker with their rigs. (If it could be about 6inch by 4inch so much the better). On the back of any picture the Breaker should say that the picture may be used to illustrate articles for the press, and be signed by the breaker. Lets tell the world about the good side of CB! You can write to *The Scribe* at 27 Nower Hill, Pinner, Middlesex HA5 5QR.

Some Facts

Martin Wright of High Wycombe has certainly been doing his homework and come up with some interesting facts on points raised on the June issue...

Planing Permission, raised by Ian Smith Burnham-On-Crouch.

Such permission MUST be obtained before installation of any CB aerial that will be outdoors on any building or property, further consent is also required from the landlord/owner of the property. TVI, B. Edge Hull. No person is permitted to use any apparatus (CB or not) that is known to be causing interference to broadcast reception by another person. To do so is an offence under the Wireless Telegraphy Acts. Even if your CB is 100% legal in all respects, if it causes interference you must cease using it. However B.T. (Buzby) are obliged in such circumstances to sort out the problems, see your local Post Office for the necessary forms to fill in.

Your feature article C.B. Abroad. CEPT have been 'instructed' by the Commission to the EEC to produce a 'Standard of Harmonisation' to be published in September this year.

Totally separate from the above CEPT standard, the Commission did in September last year serve notice to all



member countries to the EEC to the effect that the present National Regulations concerning CB equipment as they are being used to obstruct or prevent free movement of such equipment between the Member States, do constitute a breach of one or more Articles contained in the Treaty of Rome, the EEC Treaty. None of the Member States has seen fit to modify National regulations to comply with these legally binding Treaty obligations.

CB

Letters intended for publication should be addressed to: Backchat, Citizens' Band, 145 Charing Cross Road, London WC2H 0EE. Letters not containing a name and address will not be considered for publication.



Much of CB is about helping people. Here's a chance to help some blind breakers.

CLUB NEWS

One of the most worthwhile aims of a CB club is to help a charity. And one of the most worthwhile charities is CB For The Blind. First off this month we meet such a club down there in sunny Brighton . . .

CB 4 The Blind

'We are a small organisation that aims to set up blind breakers with CB radios. If they can afford their own then we advise them on what to buy and install it for them.

If they cannot afford to buy their own rigs and twigs we raise the money to buy the equipment and then loan it to them free of charge. We also fit a piece of equipment called a backchat which is a voice synthesiser that tells the blind breaker what channel he's on. It's a great help to the blind but we are now having trouble getting hold of this item. Are there any Citizens' Band readers who can help?

**B A Cozens,
CB 4 The Blind,
Flat 2, 13 Cornwall Road,
Hove, Sussex.**

Are there any readers who can help Mr Cozens? There is, of course, the Midland talking rig perhaps CB For The Blind organisations could consider that more in the future.

Right, let's now hear about the formation of the . . .

White Hart of England

'The White Hart Of England Club has at last taken off. I think the club's foundation and purpose may interest you. In Hemel Hempstead, Herts, there's a crazy CB channel known as the '25 Mayhem Gang'. I taped the cross-chat of the '25' Breakers and some serious conversations which showed the way of English CB. I then sent the tape to a breaker in Australia where, apparently, the tape was played on the air. The message was picked up in the US of A and taped and relayed yet again.

The reception to these tapes was unbelievable. I was undated with correspondence and QSL cards from all over the world.

Because of this I saw the international aspect of CB and informed the '25' gang that I was starting a full overseas and UK club. The gang agreed and I organised the

new club and we are now open to registrations.

My contacts in America share with me the enjoyment of making firm friendships by letter. They also enjoy the QSL card exchange and are pleased that we, in Hemel, do everything to encourage their visits to this country. I have arranged with a local travel agent to organise their travel arrangements for when they come to England.

Incidentally I hope to visit my son in Western Australia and I already have Australian Breakers asking me to visit them when I get there. Well, that's all for now. Wish us luck.'

**Len Townsend,
3 Ripley Way,
Hemel Hempstead, Herts.**

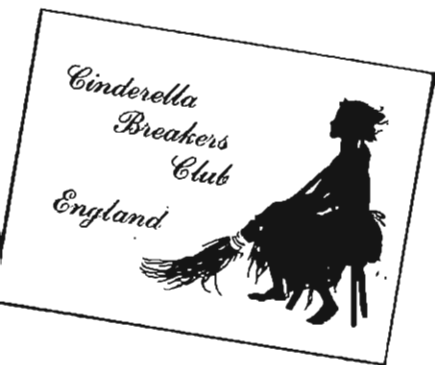
Well, Len I'm sure that all the readers of CB wish you the best of luck in your visit to Australia. I hope you're taking a couple of our magazines to show those Aussie breakers!

Zero Seven CB Club

'Just a little note' writes Wendy Tongue Tied, 'to let you know about a club called the Zero Seven CB Club, Burton On Trent. They're a really hardworking group having raised over £1000 last Christmas for mentally handicapped children. They don't get a lot of attention but they do so much good work a little pat on the back would be well timed and thoroughly deserved.

Incidentally, the club has organised a mass eyeball in Burton On Trent at the Moira Miners Welfare Club. It'll be on the 27th, 28th and 29th of August. Everyone is welcome.'

**Wendy,
107 Howdles Lane,
Brownhills,
Walsall**



Okay, talking of mass eyeballs there's another coming up on the same date this month. Dodo is here to tell us all about it . . .

Kilo Bravo Club

'The Kilo Bravo Club are holding a Grand Eyeball on Monday, 29th August, 1983, at Vicars Night Club, Sheffield, 8.00 pm to 2.00 am: tickets are priced at £1.50. All proceeds are going to buy a Heart Monitoring Machine for the Sheffield

Childrens Hospital.

Last year so many marvellous Breakers around the Country supported us with donations towards the "Wayne Little Appeal", which realised from just the Kilo Bravo Club £1800: we hope this year we can do even better for this most worthy cause.

May I take this opportunity to send the Kilo Bravo's best wishes to all our good buddies around the Country and hope to see you at our

Eyeball.

Tickets and further information can be obtained from the above address or by telephoning Sheffield 483590.

Congratulations on an excellent magazine.'

Dodo,
Kilo Bravo Club,
PO Box 96,
Killamarsh, Sheffield.

That's all for this month.

CLUB DIRECTORY

ENGLAND AVON

WINDMILL BREAKERS

PR Contact: The Shandyman,
The Windmill Pub,
Windmill Hill,
Beaminster,
Bristol
Meet: Fridays 8pm, The Windmill

CORNWALL

FOGGY TOWN BREAKERS CLUB

PR Contact: Phil Corney,
Porthledden Hotel,
Cape Cornwall,
St Just, Penzance, Cornwall
Meet: Above, every other Sunday
2.30pm

DEVON

EXE RADIO AND CB CLUB

Chairman: Will Scarlet,
10 Weir close,
Countess Weir,

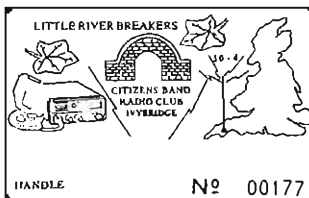
Exeter, Devon EX27

Meet: Arrange with above

LITTLE RIVER BREAKERS

Ivybridge CB Club,
Chairman: Sidewinder,
PO Box 3,
Ivybridge, Devon

Meet: Coach House Inn, Wrangton,
South Brent, Devon. 2nd and 4th
Friday of each month 8pm.



ESSEX

LINK BREAKERS CLUB

Secretary: Tall Lady,
50 Courtney Road,
Chadwell-St-Mary,
Essex
Meet: Rook Hall, Dell Road,
Grays, Essex. Thurs 7.30pm.

KENT

ASSOCIATION OF INDEPENDENT MONITORS

Chairman: IM 01 Blue Shark,
34 Riverdale Road,
Erith, Kent
Meet: As arranged

LANCASHIRE

CINDERELLA'S BREAKERS CLUB

Chairperson: Penelope Pitstop,
1 Nether View,
Wennington,
Nr Lancaster,
Lancashire LA2 8JP
Meet: Horse And Farrier, Bentham,
North Yorkshire Alt Tuesdays 8pm

YORKSHIRE

KILLAMARSH BREAKERS CLUB

Chairman: Oddleg,
PO Box 96,
Killamarsh,
Sheffield, S31 8JZ
Meet: Wednesdays 7.30pm,
Blacksmiths Arms, Killamarsh

SUNDOWNERS BREAKERS CLUB

President: Denise Johnson,
Sundowners HQ,
141 Ashbourne Croft,
Leeds, LS10 2TZ
Meet: Craven Gate, Leeds,
Wednesdays 8.30pm

SCOTLAND FIFE

EAST FIFE BREAKERS

Chairman: D Gartshore,
54 Robertson Avenue,
Leven, Fife KY8 4AW
Meet: Every 2nd Thurs, McKenzie
Bar, Cross Roads, Methil

CITIZENS' BAND CLUB DIRECTORY REGISTRATION FORM



CLUB NAME ()

CHAIRMAN ()

Secretary ()

PR Contact ()

Contact Address ()

..... (Tel No.)

MEETING PLACE, DAY AND TIME ()

.....

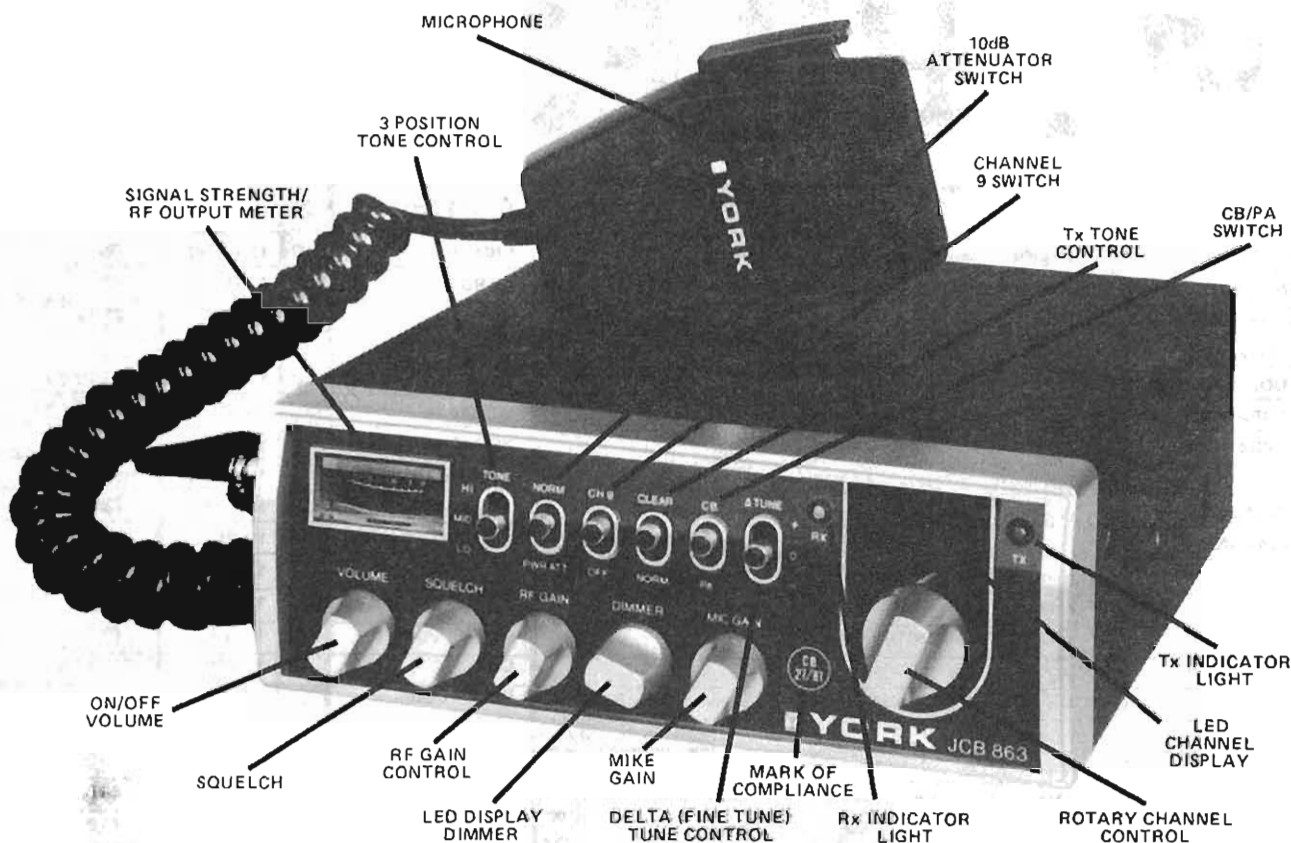
No. of members

Position in club

Fee/sub etc (Committee members only please)

Please mark (*) information that may be published.

REFERENCE SECTION



SQUELCH

For anyone who has never used a rig before, this is probably the control that is the most difficult to understand. It exists to remove the background noise, that hissing sound that you can hear when there isn't a signal present. Nothing happens when the squelch knob is turned slowly clockwise, until it reaches a point just above the level of the background noise. Then, suddenly, the noise will totally disappear and you will hear nothing at all until a signal that is stronger than the background noise is received. This signal will cause the squelch to *open* and you will hear it, but as soon as it disappears, the squelch will *close* again and no sound will come from the rig. Care should be taken when adjusting this control because the higher it is set, the stronger the incoming signal has to be in order to open it. For the best results, the control should be left at the position just past the point where the background noise vanished. It will then let through any signal that is stronger than the background noise but not the noise itself.

RF GAIN

This is a variable attenuator that cuts down the amplification which is given to incoming signals and the more it is turned, the less the gain of your rig. This helps to prevent overloading when you are talking to someone who is very close by.

SIGNAL STRENGTH/RF METER

This is a dual function device that shows the relative strength of the signal you are receiving and of the signal you are transmitting. The S-Meter is usually calibrated 1-9 and the nearer to the 9 the needle is when you are receiving a

signal, the stronger that signal is. If someone asks you for a signal report, all you need to do is quote the number that is indicated on your S-Meter. This will give them a good idea of how well you are receiving them but you should remember that this is a *relative* indication and another rig under exactly the same circumstances could well give a reading that is 2 or 3 points different.

The same applies to the RF Meter. It also gives a *relative* indication of the power, you are putting out and it doesn't give a reading in watts. When you have properly tuned your antenna, you should note the position of the needle when you transmit. It should be around the 8 mark. If it suddenly moves from this position when you are transmitting, you should immediately re-check your antenna as there will almost certainly be something wrong with it.

NOISE BLANKER

These two functions are often combined on one switch and although they operate differently, they both exist to cut down interference. Most ANL systems work reasonably well but an NB is a far more efficient device that will remove almost all of the crackles and pops that are caused by interference.

LEDS (RX TX)

The appropriate one of these light emitting diodes lights to show if you are transmitting or receiving.

PA/CB

This switch turns your rig into a low power public address amplifier when it is set to the PA position. There is a socket on the back for an exten-

sion horn type speaker to be plugged into and anything you say into the microphone will be amplified and broadcast through the speaker.

MIC. GAIN.

This control alters the amount of audio from the microphone used to modulate the outgoing signal. When it is set to minimum, you are transmitting a blank carrier regardless of whether you speak into the microphone or not but when it's set to maximum, your signal is at almost 100% modulation.

HI/LO

This switch cuts down the output power of your rig so that you can conform to the rule on the back of your licence that says that you must reduce your power by 10 dB if your base station antenna is more than 7 metres above ground level.

CHANNEL SELECTOR

This is the knob that you use to change channels.

CHANNEL INDICATOR

This window displays the number of the channel in use. Most sets use LEDs for this display but some manufacturers prefer to use liquid crystal or fluorescent type displays. Displays will normally be bright red, orange or green and visible in all but the most direct sunlight.

CH 9 PRIORITY

This switch allows you to go immediately to channel 9 without having to use the channel selector.

FM RIG CHECKLIST

MOBILES

NAME	ADDRESSES	MODEL	NO. OF CHANNELS	SUPPLY VOLTAGE	RETAIL PRICE
ALBA	Alba (Electronics) Ltd, Bull Lane, Edmonton N18	CBMI 40	40	13.8VDC	TBA
AMSTRAD	Amstrad Consumer Electronics, 1-7 Garman Road, London N17	CB 901	40	13.8VDC	£89
AUDIO LINE		341	40	13.8VDC	£106
AUDIO LINE	CB Radio Centre, 337 Kenton Rd, Harrow Mdx	340	40	13.8VDC	£80
AUDIO LINE		342	40	13.2VDC	£149.95
BARRACUDA	Halfords Motor Accessory Shops	GT 868	40	13.8VDC	£70
BARRACUDA		HP 940	40	13.8VDC	£85
BINATONE	Binatone House, Beresford Av, Wembley, Mdx	BREAKERPHONE	40	13.8VDC	£99
BINATONE		ROUTE 66	40	13.8VDC	£79.95
BINATONE		5-STAR	40	13.8VDC	£100
COBRA	Mura (UK) Ltd, High Rd, Willesdon, NW10	21 X FM	40	13.8VDC	£79
COLT	Shellpost, 183 The Flock, Bury, Lancs	295	40	13.8VDC	£80
COMMTRON	Roger D, 831 Mansfield Rd, Notts	CB40F	40	13.8VDC	£70
COMMTRON		CXX	40	13.8VDC	£69.95
CYBERNET	Goodmans Loudspeakers Ltd, Downley Road, Havant, Hants PO0 2NL	BETA 1000	40	13.8VDC	£70
CYBERNET		BETA 2000	40	13.8VDC	£85
CYBERNET		BETA 3000	40	13.8VDC	£100
DNT	Radiotechnics Ltd, Grove Way Bal Royal, St Lawrence Jersey CI	M40FM SPECIAL	40	13.8VDC	£100
ELFTONE	4 Bereaford Av, Wembley, Mdx. HA0 1YA	ELCB 6000	40	13.8VDC	£TBA
EUROCOMM	Zycomm Electronics, Ripley, Derbyshire	EURO 40	40	13.8VDC	£69
FIDELITY	Fidelity Radio Ltd, Victoria Rd, London NW10	CB 1000M	40	13.8VDC	£70
FIDELITY		CB 2000M	40	13.8VDC	£90
FIDELITY		20001 FM	40	13.8VDC	£70
GRANDSTAND	Bee-Ware Ltd, Ripon Way, Harrogate, N. Yorks	BLUEBIRD	40	13.8VDC	£90
GRANDSTAND		HAWK	40	13.8VDC	£80
GRANDSTAND		GEMINI	40	13.8VDC	£122
GREAT	Brittania Trading, Northern Rd, Sudbury, Suffolk	GT 858B	40	13.8VDC	£65
HARRIER	Dixons Photographic Ltd.	CB MOBILE	40	13.8VDC	£49
HARRIER		CB X	40	13.8VDC	£89.99
HARVARD	Harris Overseas Ltd, Harvard House, 14-16 Thames Rd, Barking, Essex	400M	40	13.8VDC	£80
HARVARD		402 MPA	40	13.8VDC	£69.95
HARVARD		H403 GOOD BUDDY	40	13.8VDC	£50
HARVARD		420M	40	13.8VDC	£100
INTERCEPTOR	Chelsea CB Centre, 73-77 Britannia Rd, London	INTERCEPTOR	40	13.8VDC	£80
INTERCEPTOR		TC400	40	13.8VDC	£95
INTERCEPTOR		ONE HANDER	40	13.8VDC	£100
JOHNSON	Ster Warehouse, Chalk Farm Rd, London	JOHNSON	40	13.8VDC	£50
JWR	Wolfe House, Noree Rd, Bedford MK41 0LF	M2	40	13.8VDC	£60
JWR		M3	40	13.8VDC	£90
KAISER	Kaiser Electronics Nevrottsstrasse 21-25, Waldorf Baden, W. Germany	UK 40	40	13.8VDC	£TBA
LADYLINE	Market Drayton, Salop	QUASAR	40	13.8VDC	£80
LAKE	Roger D, 831 Mansfield Rd, Nottingham NG5 3GF	MANXMAN 850	40	13.8VDC	£32.50
LAKE		MANXMAN 950	40	13.8VDC	£37.50

REFERENCE

On the following pages you will find listed just about all of the CB rigs available for use on UKFM CB. We have split the reference section into three parts; mobile base and portable to make individual rigs easier to find.



SQUELCH	NB SWITCH	ANL SWITCH	MIKE GAIN	RF GAIN	TOPE CONTROL	S/RF METER	S/RF LED R/O	HI/LO OUTPUT	PA FACILITY	EX. SPEAKER JACK	TX IND. LIGHT	RX IND. LIGHT	CH 9 SWITCH	MIKE POSITION	COMMENTS
.	FL	ALBA
.	SL	Report Feb '82
.	SL	AMSTRAD
.		AUDIOLINE
.		Report Feb '82
.		AUDIOLINE
.		AUDIOLINE
.	FL	Great GT868 chassis
.	FL	Cybernet chassis
.		BARRACUDA
.		Report Feb '82
.		BARRACUDA
.		BINATONE
.	FL	Report Dec '81
.	SL	BINATONE
.	FL	Colt, Midlind, Maxoom lookalike
.	FL	COBRA
.	FL	COLT
.	FL	COMMTRON
.	FL	COMMTRON
.	SL	Ultra compact performer
.	FL	CYBERNET
.	FL	CYBERNET
.	FL	CYBERNET
.	FL	Report July '82
.	FL	DNT
.	FL	ELFTONE
.	FL	EUROCOM
.	SL	FIDELITY
.	FL	Report March '82
.		FIDELITY
.	SL	FIDELITY
.	SL	GRANDSTAND
.	SL	GRANDSTAND
.	SL	GRANDSTAND
.	FL	Same as Johnson rig
.	SL	Report Feb '82
.	SL	HARRIER
.	FL	HARRIER
.	FL	HARVARD
.	FL	HARVARD
.	SL	HARVARD
.	SE	HARVARD
.	SL	HARVARD
.	SL	INTERCEPTOR
.	FL	INTERCEPTOR
.	FL	INTERCEPTOR
.	FL	Great GT868 chassis
.	FL	JOHNSON
.	FL	JWR
.	FL	JWR
.	FL	KAISER
.	FL	First marine rig
.	SL	LADYLINE
.	SL	LAKE
.	SL	LAKE

considerably from CB shop to CB shop!

REFERENCE

MOBILES

NAME	ADDRESSES	MODEL	NO. OF CHANNELS	SUPPLY VOLTAGE	RETAIL PRICE
LCL	LCL Imports Ltd, 101 Dixons Green, Dudley, W. Midlands	2740	40	13.8VDC	£80
LCL		COMMUNICATOR	40	13.8VDC	£95
LOWE	Lowe Electronics, Matlock, Derbyshire	TX40	40	13.8VDC	£50
MAGPIE	Magpie Electronics PO Box 35, Andover, Hants SP10 2LG	AUTOSCAN 6000	40	13.8VDC	£120
MAXCOM	A.M. Telecommunications, AM House, 17 Shepherds Way,	4E	40	13.8VDC	£60
MAXCOM	Rickmansworth Herts.	6E	40	13.8VDC	£48
MAXCOM		20E	40	13.8VDC	£50
MAXCOM		21E	40	13.8VDC	£50
MAXCOM		16E	40	13.8VDC	£40
MICROLINK	Warman-Freed Ltd, 82 Golders Gn Rd, NW11	CB401	40	13.8VDC	£115
MIDLAND	Plustronics Ltd, Hempstalls Ln, Newcastle-under-Lyme, Staffs.	2001	40	13.8VDC	£70
MIDLAND		3001	40	13.8VDC	£80
MIDLAND		4001	40	13.8VDC	£90
MIDLAND		2001 T	40	13.8VDC	£100
MERCURY	EMS Communications, Grove Street, Wantage, Oxon, LX12 7AD	1040	40	13.8VDC	N/A
MUSTANG	KB & Co. Ltd, 202 Cheetham Hill Rd, M/cr.	CB1000	40	13.8VDC	£49.95
MUSTANG		CB2000	40	13.8VDC	£59.95
MUSTANG		CB3000	40	13.8VDC	£69.95
NATO	Roger D, 831 Mansfield Rd, Nottingham NG5 3GF	40M	40	13.8VDC	£69.95
NATO		2000	40	13.8VDC	£189.95
OSCAR	S.M.C. Osborne House, Totton, Southampton	OSCAR1	40	13.8VDC	£85
RADIOMOBILE	Goodwood Wks, North Circular Rd, London NW2 7JS	201	40	13.8VDC	£80.90
RADIOMOBILE		202	40	13.8VDC	£120
REFTEC	RF Technology, Leyton Avenue Ind. Est. Mildenhall, Suffolk	934	20	13.8VDC	£200
ROTEL	Rotel Hi-Fi, 2-4 Erica Rd, Stacey Bushes, Milton Keynes	RVC 220	40	13.8VDC	£50
ROTEL		RVC 230	40	13.8VDC	£70
ROTEL		RVC 240	40	13.8VDC	£90
SAPPHIRE	CB Services, 97 Crab Lane, Harrogate, North Yorks.	2000X	40	13.8VDC	£68
SHOGUN	Colliers Fm, Freith, Henley-on-Thames, Oxon, RG5 6NR	SHOGUN	40	13.8VDC	£100
SIRTEL	24 Alfric Sq. Off Maxwell Rd, Woodston Ind. Est. Peterborough	SEARCHER	40	13.8VDC	£40
SPIRIT	Martellor Sound Ltd, Haywood Way, Ivyhouse Lane, Hastings	SPIRIT	40	12VDC	£100
STEEPLETONE	Park End Works, Croughton, Nr. Brackley, Northants	SCB1FM	40	13.8VDC	£103
TANDY	Tame Way Tower, Bridge St, Walsall, Staffs	TRC2001	40	13.8VDC	£80
TANDY		TRC2002	40	13.8VDC	£70
TANDY		TRC2000	40	13.8VDC	£100
TANDY		TRC1004	40	12VDC	£75
TANDY		TRC2003	40	13.8VDC	£130
TENVOX	Voxon Audio Ltd, Abingdon, Oxon	TENVOX	40	13.8VDC	£100
UNIDEN	Cravenmaster Ltd, 31 Madoc St, Llandudno	UNI ACE 100	40	13.8VDC	£59.95
UNIDEN		UNI ACE 200	40	13.8VDC	£79.95
VIPER	Radio 88, Barking, Essex	VIPER 88	40	13.8VDC	£TBA
WAGNER	Knight Communications Ltd Unit 19 Britannia Est. Leagrove Rd, Luton	8000	40	13.8VDC	£59.95
WAGNER		COMPACT 40	40	13.8VDC	£25
WESTERN	Western Electronics, Fairfield Estate, Louth, Notts.	COMPACT 40	40	13.8VDC	£34.50
YORK	Sulkin (UK) Ltd, 73 Grosvenor Street, London W1X 9DD.	JCB 861	40	13.8VDC	£65
YORK		JCB 863	40	13.8VDC	£89

BASE STATIONS

BASES



NAME	ADDRESSES	MODEL	NO. OF CHANNELS	SUPPLY VOLTAGE	RETAIL PRICE
DNT	Radiotechnics Ltd, Grove Way, Bel Royal, St Lawrence Jersey CI.	B40	40	240VAC	£TBA
DNT		B2740	40	240VAC	£TBA
DNT		B5040	40	240VAC	£TBA
FIDELITY	Fidelity Radio Ltd, Victoria Rd, London NW10	CB 300M	40	240VAC	£TBA
GRANDSTAND	Bee-Ware Ltd, Ripon Way, Haregate, N.Yorks	BASE	40	240VAC	£220
HARRIER	Dixons Photographic Ltd.	CB HQ	40	240VAC	£130
HARVARD	Harris Overseas Ltd, Harvard House, 14-16 Thames Rd, Barking Essex	H407	40	240VAC	£125
HARVARD		H401	40	240VAC	£149.95
JOHNSON	Star Warehouse Chalk Farm Rd, London	XK 2000	40	240VAC	£99
JWR	Woolfs House, Norsa Rd, Bedford	DIPLOMAT	40	240VAC	£194
MIDLAND	Plustronix Ltd, Hempstalls Ln, Newcastle-under-Lyme, Staffs.	76-200	40	240VAC	£150
MURPHY	Murphy Electronics, Wembley, Middlesex	BASE	40	240VAC	£100
SPIRIT	Martello Sound Ltd, Haywood Way, Ivyhouse Lane, Hastings, Sussex	SPIRIT	40	240VAC	£100
WAGNER	Knight Communications Ltd, Unit 19 Britannia Estate, Leagrove Rd, Luton LU3 1BJ	BASE	40	240VAC	£150

PORTABLES

NAME	ADDRESSES	MODEL	NO. OF CHANNELS	SUPPLY VOLTAGE	RETAIL PRICE
BEAR	Air Bear(UK) Ltd, Wortley, Sheffield	RHB 35	3	BATTERIES	£44
BINATONE	Binatone House, Beresford Avenue, Wembley, Middlesex	LONGRANGER	40	BATTERIES	£59.95
DNT	Radiotechnics Ltd, Grove Way, Bel Royal, St Lawrence Jersey CI	HF 12/3	3	BATTERIES	£47.55
ELFTONE	4 Beresford Av, Wembley, Middx.	CB30	2	BATTERIES	£TBA
ELFTONE		P-3	3	BATTERIES	£TBA
HARRIER	Dixons Photographic Ltd	WT1	2	BATTERY	£25
HARRIER		WT2	40	BATTERY	£59.99
HARVARD	Harris Overseas Ltd, Harvard House, 14-16 Thames Rd, Barking Essex	0-2-0	2	BATTERY	£20
HARVARD		410T	40	8xAA cells	£69.95
HARVARD		10-4 CONVOY	2	BATTERY	£19.95
HARVARD		H6	2	BATTERY	£29.95
KAISER	Kaiser Electronics Nevrottsstrasse 21-25, Waldorf Barden, W. Germany	CBX40	40	BATTERY	£TBA
MAXCOM	A.T.M. A.M. House 9a Olds Approach, Tolpits Lane, Watford Herts.	7E	3	BATTERY	£TBA
MIDLAND	Plustronix Ltd, Hempstalls Ln, Newcastle-under-Lyme, Staffs.	75-720	40	12VDC	£59.95
TANDY	Tame Way Tower, Bridge St, Walsall	TRC1001	40	BATTERY	£119

HAND HELDS



It's much more fun breaking from home when the car's too cold to start - and it saves petrol!



SQUELCH	NB SWITCH	ANL SWITCH	MIKE GAIN	RF GAIN	STONE CONTROL	S/RF METER	S/RF LED R/O	HI/LO OUTPUT	PA FACILITY	EX. SPEAKER JACK	TX IND. LIGHT	RX IND. LIGHT	CH 9 SWITCH	MIKE POSITION	COMMENTS
.						.		.						FL	DNT
.						.		.						FL	DNT
.				FR	DNT
.			SR	Report May '82 FIDELITY
.			FL	The most expensive base! GRANDSTAND
.			FL	Report May '82 HARRIER
.		FL	Report May '82 HARVARD
.		FL	New base from Harvard HARVARD
.		FL	Cheapo base JOHNSON
.	-	JWR
.			FL	MIDLAND
.			FL	MURPHY
.		FR	SPIRIT
.		FL	WAGNER

Why not get out and about with a portable rig? Not only is it fun, there's fresh air too.



SQUELCH	NB SWITCH	ANL SWITCH	MIKE GAIN	RF GAIN	STONE CONTROL	S/RF METER	S/RF LED R/O	HI/LO OUTPUT	PA FACILITY	EX. SPEAKER JACK	TX IND. LIGHT	RX IND. LIGHT	CH 9 SWITCH	MIKE POSITION	COMMENTS
.								.		.	.			-	BEAR
.										-	BINA TONE
.										-	DNT
.										-	Report June '82 ELFTONE
.										-	ELFTONE
.							-	HARRIER
.							-	HARRIER
.							-	HARVARD
.							-	Report April '82 HARVARD
.							-	HARVARD
.							-	HARVARD
.							-	HARVARD
.							-	KAISER
.							-	MAXCOM
.							-	MIDLAND
.							-	TANDY

REFERENCE

ANTENNA CHECKLIST

Here's a brief intro

Name

All antennas have a number or name. Or both. Here we tell you what it is.

Construction

Most mobile antennas are made of stainless steel and most home based ones are made of aluminium. This is not always the case though. There are fibre glass mobiles

The Home Office specs for CB antennas are lean and bordering on the mean. Still within that basic framework manufacturers have come up with some good designs. This newly laid out antenna checklist should help you

NAME	ADDRESSES	MODEL	CONSTRUCTION	LENGTH	MAX POWER	TYPE	MOUNT	PRICE RANGE
ALLCOM		DPA 2UK	AL	1.5	100	M	-	E
AMSTRAD	Amstrad Consumer Electronics, 1-7 German Rd, London N17	CBA 1500	SS	1.5	-		Various	C
ANTENNA INC.		12510 Telecomm	SS	0.9	-	M	3/4ths	D
		Super Persuader	SS	1.5	-	M	Mag	F
		MR511	SS	1.2	-	M	Mag	G
		M710	SS	1.5	-	M	3/4ths	B
		AS M125	SS	1.14	150	M	3/4"	C
		AS M128	SS	1.14	150	M	-	C
ANTENNA SPECIALISTS	Antiference Ltd, Aylesbury, Bucks HP19 3BJ	AS M131	SS	1.14	150	M	gutter	D
		AS MR 440	SS	1.2	100	M	mag	D
		AS MT178	SS	1.2	150	M	mag	D
		AS M610	SS	1.2	200	M	3/4"	D
		AS M2000	SS	1.6	150	M	3/4"	D
		AS 9812	SS	1.2	150	M	mag	D
		IC 85	SS	1M	-	M	mag	D
		IC 80	SS	1M	-	M	spring-based mag	E
		IC 15	SS	1	-	M	trunk	C
ANTLER	Shakespeare, Performance Antennae, Batton Rd, Market Drayton, Salop	IC 20	SS	1 1/2	-	M	roof	D
		IC 30	SS	1	-	M	gutter	E
		IC 40	SS	1 1/2	-	M	mirror	E
		IC 80	SS	1 1/2	-	M	mag	D
ARCHER	Tandy Corp., Tama Way Town, Bridge St, Walsall, VV, Mid.	21-904	SS	0.5	50	M	3/4" snap	D
ARMSTRONG	Stateside Trading Ltd., Audley Ave, Newport, Shropshire.	SAM 10	SS	1.06	1,000	M	surface	F
		SAM 20	SS	1.06	1,000	M	surface with spring	F
		TAK 10	SS	1.06	1,000	M	boot lip	F
		TAK 20	SS	1.06	1,000	M	boot lip	G
		MAG 10	SS	1.06	1,000	M	with spring	G
		MAG 20	SS	1.06	1,000	M	magnetic	G
		BDY 20	SS	1.06	1,000	M	magnetic	G
		PEC 20	SS	1.06	1,000	M	with spring	G
AVANTI	Avanti, 132 Penistone Rd Nth, Sheffield, Yorks.	AV 241 (Moonraker)	SS	1.22	-	M	stud	D
		AV 241 T	SS	1.22	-	M	trunk	E
		AV 241 M	SS	1.22	-	M	mag	E
		AV 241 MM	SS	1.22	-	M	super mag	G
BADLAND	Badland, Rooten Ind Est, Providence St, Lya, Steurbidge.	B10	SS	1.22	-	M	mag.	G
BANDIT	Bandit, Rougham Ind Est, Bury St Edmunds, Surrey.	B10	SS	1.42	-	M	mag	G
		B15	SS	0.81	-	M	mag	F
		B15	SS	1.22	-	M	mag	F
		B20	SS	1.42	-	M	mag	F
		B30	SS	1.42	-	M	drill thru	E
		B30	SS	1.22	-	M	drill thru	E
		B40	SS	1.42	-	M	various	D
		B40	SS	1.22	-	M	various	D
		B50	SS	1.42	-	M	various	D
		B60	SS	1.22	-	M	various	D
				B60	SS	1.22	-	M
C. BRIT	C Brit, Unit 35 East Lane, Wembley, Middx	Stingray	AL	1.5	500	B	pole	H
		Whiplash	SS	1.5	25	M	3/4"	C
CT INTERNATIONAL	CT International, CTE (UK) Ltd Unit 3, Mitchem Ind Est, 86 Breamham Rd, Mitchem, Surrey.	MG27	SS	0.91	-	M	mag	C
DIAL-A-MATCH		Rubber Duck	R	0.3	-	M	3/4"	C
		530 (Cherokee)	SS	0.61	-	M	-	C
		531 H8F	SS	0.61	-	M	-	C
		531 SMF	SS	0.61	-	M	-	C
		540	SS	1.22	-	M	-	E
		641 H8F	SS	1.22	-	M	-	E
		641 SMF	SS	1.22	-	M	-	E
		520 (Halfbreed)	SS	1.27	-	M	-	E

duction to the world of antennas and what we tell you in our checklist.

and stainless steel home based antennas.

Length

The longer the better is always my motto. As long as it's not over 1.5 m. Otherwise it's illegal. We tell you the exact length.

Maximum power

This is given as a guide only. The law allows for a maximum

two watts. However, the higher the maximum power figure given the sturdier the antenna will be.

Type

It's no use buying a home base antenna if you want to use your rig from the car. We tell you which are which Mobile or Base. At the moment the number of mobile

antennas far outweigh the number of home based ones. But there are more and more home base antennas coming onto the market.

Mount

The majority of mobile antennas are held in place by a magnet - these are called mag mounts. Others are attached by means of a clamp

to the boot or edge of the roof. Some are drill-through antennas which are just the same as normal car radio aerials.

Home based antennas are poles, tripods or gutter mounts. Tripods are free standing and gutter mounts are attached in a way similar to trunk or bootmounts.

Key:	C: £10 - £14.99	G: £30 - £39.99	AL - Aluminium	B - Base
Price Bands	D: £15 - £19.99	H: £40 Plus	FG - Fibreglass	
A: £1 - £4.99	E: £20 - £24.99	Construction	Application	Note: Prices are given as a guide only.
B: £5 - £9.99	F: £25 - £29.99	SS - Stainless Steel	M - Mobile	

NAME	ADDRESSES	MODEL	CONSTRUCTION	LENGTH	MAX POWER	TYPE	MOUNT	PRICE RANGE
DIGITEK UK LTD	179-181 Streatham Rd, Mitcham, Surrey	Falcon 27	SS	1.6	-	M	various	D
DIXDNS	Dixons Photographic	Harrier	SS	0.9	-	M	Mag	D
HOT ROD 200	Hot Rod 200, Stateside Trading Ltd, Audley Avenue, Newport, Shropshire	FM UK	SS	1.27	-	M	1/2ths	B
FREEMAN & PARDOW	Freeman & Pardow, Tything Rd, Arden Forest Ind Est, Alcester Warwick	The Invader	AL	1.6	250	B	pole	E
		The Thunderpole	AL	1.6	500	B	pole	F
CB SERVICES	97, Crab Lane, Harrowgate, N. Yorks HG1 3BQ	Bullwhip	SS	1.6	-	M	various	C
		Knuckleduster	AL	1.6	-	B	-	D
MIDWEST		Dial-a-tune	SS	0.61	500	M	various	C
		Dial-a-tune	SS	1.22	-	M	various	D
MOCOM	Mocom, Mote Communications Ltd, 140 Sandy Lane, Camp Hill Birmingham	Revco	SS	1	-	M	various	B
MOTOROLA	Motorola, Taylors Rd, Stotsfold, Hitchin, Herts.	EC106M	-	1.6	-	M	-	F
OCT.	Unit 1 Earlsfield Lane Ind. Estate, Grantham, Lincs.	K40	SS	1.4	500	M	various	G
		227	SS	1.46	200	M	various	B
PAN INTERNATIONAL		Pan Mobile 260	SS	1.26	-	M	clamp	-
PANORAMA	Panorama, 73 Wadham Rd, London SW15 2LS	CB27	-	1.22	-	M	mag	B
PRIOW		KT40	SS	1.6	-	M	trunk	C
SHIRA		SYS 206M	SS	1	-	M	mag	C
		SYS 203C	FG	0.76	-	M	trunk	C
		MA 62	-	0.91	-	M	-	C
SIRTEL	Sirtel, 24 Alfric Sq. off Maxwell Rd, Woodston Ind. Est, Peterborough	GP Messenger	SS	1.6	-	B	clamp	E
		GP Signal Keeper	SS	1.6	-	B	tripod	F
SMC	Oscar, South Midlands Communications, Osborn House, Totton Southampton, SO4 4DN	Oscar Base CBA 11GP	SS	1.5	-	B	-	F
		Gosar Base IIVIS	SS	1.6	-	B	-	F
		Oscar IICM	SS	1.2	-	M	mag	O
		Oscar IICE	SS	1.2	-	M	foldover base	B
		Gosar IINE	SS	1.5	-	M	'pull-up' foldover base	C
		Oscar IISE	SS	1.5	-	M	'locking-collar' foldover base	C
		Oscar TMCAS	SS	1	-	M	trunk	B
SPYOER		Spyder	AL	1.6	-	B	pole	B
TAGRA	Europasonic (UK) Ltd, Britannia Works Building, Sherbourne St, Manchester	T40	SS	1.4	500	M	various	E
THOROBREO	ZL Communications, Cantley, Nr. Norwich, Norfolk	251	SS	1.6	-	M	various	C
		227	SS	1.6	-	M	3/4"	B
		Locktune	SS	1.6	-	M	various	C
WITCHSTICK	CJM Motor Factors, Hill Farm Ave, Leavesden, Watford, Herts. 09273-73846	Witchstick homebase	AL	1.6	-	B	-	E
WTA ELECTRONICS	111 Cromer Rd, Hellesdon, Norwich, Norfolk	Wot Pole	AL	1.6	-	B	pole	C
		Wot Mag	SS	1.6	-	M	mag	C
VAN ORDT	Van Ordt, Knight CB Specialist, 204 Dunstable Rd, Luton, Beds	Audio King AKO-100	SS	1.6	2000	M	1/2"	G

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Patchway Cars CB Centre
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Tel: 0272 694331

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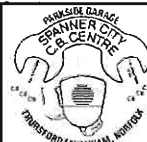
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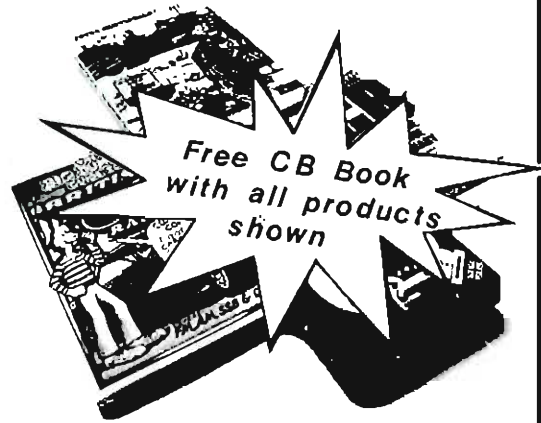
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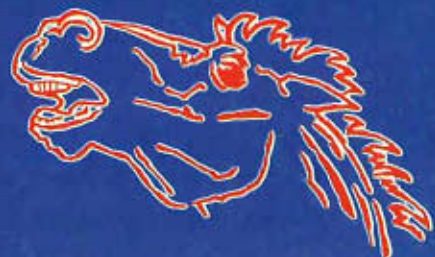
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